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TOWN OF READING
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THE ANNUAL REPORT

OF RECEIPTS AND EXPENDITURES

For the Financial Year Ending December 31st

1919

TOWN OF READING

ANNUAL REPORT

—OF—

Receipts and Expenditures

—FOR THE—

FINANCIAL YEAR ENDING DECEMBER 31

1919

THE CHRONICLE PRESS
READING, MASS.

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TOWN OFFICERS 1919-1920

Selectmen and Fence Viewers

J. EDWARD FROST, *Chairman*
WM. S. KINSLEY, *Secretary*
EDWIN L. HUTCHINSON

Town Accountant

JOHN H. SHELDON — Term expires 1920

Overseers of the Poor

J. EDWARD FROST, *Chairman*
WM. S. KINSLEY, *Secretary*
EDWIN L. HUTCHINSON

Assessors

MILLARD F. CHARLES, *Chairman*	Term expires 1921
GEORGE E. HORROCKS, *Secretary*	" " 1922
ARDINE M. ALLEN	" " 1920

Town Clerk

MILLARD F. CHARLES

Treasurer

HENRY H. KINSLEY

Collector of Taxes

HERBERT M. VIALL

Board of Health

EDWARD M. HALLIGAN, *Chairman*	Term expires 1922
LEMUEL W. ALLEN, *Secretary*	" " 1921
CALVERT H. PLAYDON	" " 1920

School Committee

WALTER S. PARKER, *Chairman*	Term expires		1920
JESSE W. MORTON	"	"	1922
RUTH A. LUMSDEN	"	"	1922
LEONE F. QUIMBY	"	"	1920
ARTHUR N. MANSFIELD	"	"	1921
ELIZABETH H. BROWN	"	"	1921

ADELBERT L. SAFFORD, *Supt. of Schools, Sec'y*

Water Commissioners

HENRY R. JOHNSON, *Chairman*	Term expires		1922
EDGAR N. HUNT, *Secretary*	"	"	1921
HARVEY A. BANCROFT	"	"	1920

Sewer Commissioners

JOHN W. OWEN, *Chairman*	Term expires		1922
CHARLES R. HERRICK, *Secretary*	"	"	1920
EDWARD J. DAHILL	"	"	1921

Municipal Light Board

FRANK E. CRAFTS, *Chairman*	Term expires		1922
GEORGE L. FLINT, *Secretary*	"	"	1921
WILLIAM G. LONG	"	"	1920

Planning Board

CHESTER J. WALLACE, *Chairman*	Term expires		1920
RAYMOND B. TEMPLE, *Secretary*	"	"	1922
HENRY Q. MILLETT	"	"	1920
LEONE F. QUIMBY	"	"	1921
CLARENCE C. WHITE	"	"	1922

Trustees of Public Library

HORACE G. WADLIN, *Chairman*	Term expires		1922
ARTHUR N. MANSFIELD, *Secretary*	"	"	1921
RALPH S. KENEELY	"	"	1922
CHARLES F. DOUGHTY	"	"	1921
FRANK C. CARTER	"	"	1920
FANNIE C. WHITTEMORE	"	"	1920

Trustees of Laurel Hill Cemetery

GALEN A. PARKER, *Chairman*	Term expires		1920
ALFRED W. DANFORTH, *Supt. and Sec'y*	"	"	1921
FRANK L. EDGERLEY	"	"	1922
JAMES H. CARLETON	"	"	1921
CHARLES W. LEE	"	"	1922
WILLIAM S. KINSLEY	"	"	1920

Registrars

MILLARD F. CHARLES, *Clerk*

OWEN McKENNEY	Term expires		1921
WALTER S. PRENTISS	"	"	1922
ARTHUR C. COPELAND	"	"	1920

Chief of Fire Department

ORVILLE O. ORDWAY

Superintendent of Fire Alarm

LEONARD T. EAMES

Forest Warden

ORVILLE O. ORDWAY

Deputy

HENRY M. DONEGAN

Police

JEREMIAH CULLINANE, *Chief and Keeper of Lock-Up*

OSCAR H. LOWE — FRANK SLACK

TIMOTHY J. CULLINANE — WILLIAM F. O'BRIEN

Special Officers

C. MORTON SKIDMORE	WILLIAM H. HINDS
CLEMENT GLEASON	WILLIAM P. PIERPONT
WILLIAM E. SWAIN	WILLIAM H. KILLAM
WILLIAM H. MANNING	JESSE N. HUTCHINSON
STANLEY A. GAW	MARTIN C. WELCH

NATHANIEL TARRANT

School Attendance Officer

EDWIN L. HUTCHINSON

Constables

WILLIAM E. SWAIN — ARDINE M. ALLEN

Inspector of Milk
CARL M. SMITH

Inspector of Plumbing
DAVID TAGGART

Inspector of Animals
CALVERT H. PLAYDON, M. D. V.

Inspector of Wires
ARTHUR G. SIAS

Inspector of Buildings
GEORGE H. SIDEBOTTOM

Board of Appeal
MAHLON E. BRANDE JAMES H. CARLETON
CHARLES VAN STONE

Sealer of Weights and Measures
CARL M. SMITH

Burial Agent of Deceased Soldiers and Sailors
CHARLES STOREY

Tree Warden
HENRY M. DONEGAN

Finance Committee

CARL M. SPENCER, *Chairman*	Term expires		Mar. 31, 1921
WILLIAM S. DENNISON	"	"	Mar. 31, 1922
MARTIN B. HARTSHORN	"	"	Mar. 31, 1922
JOHN CONNELLY	"	"	Mar. 31, 1922
CHARLES H. STINCHFIELD	"	"	Mar. 31, 1922
RICHARD F. LORING	"	"	Mar. 31, 1922
JAMES P. CARLETON	"	"	Mar. 31, 1920
SPENCER G. STEWART	"	"	Mar. 31, 1920
FREDERICK D. SPERRY	"	"	Mar. 31, 1920
JEFFERSON K. BARNEKOV	"	"	Mar. 31, 1920
WINTHROP D. PARKER	"	"	Mar. 31, 1921
ELIAS B. CURRELL	"	"	Mar. 31, 1921
FRANK F. STROUT	"	"	Mar. 31, 1921
JOSEPH D. KNIGHT	"	"	Mar. 31, 1921
* WILLIAM C. BUCK	"	"	Mar. 31, 1920

JOHN H. SHELDON, Town Accountant, Sec'y, Ex-officio

*Deceased

Playground Commission

LOUIS ELLENWOOD, *Chairman*
CHARLES H. STINCHFIELD, *Secretary*
CARL B. SAWYER HAROLD F. PARKER
ARTHUR S. COOK

Park Commissioners

GALEN A. PARKER, *Chairman*, 1921
WILLARD P. ADDEN, *Secretary*, 1922
EDWARD J. CHADBOURNE, 1920

Measurers of Wood and Bark

CHARLES W. LEE *WENDELL BANCROFT
PERCY N. SWEETSER BURTON K. SYMONDS
WARREN M. WHITEHOUSE

Surveyors of Lumber

WARREN M. WHITEHOUSE BURTON K. SYMONDS
WILLIAM R. ZWICKER GEORGE L. FLINT

Weighers of Coal and Hay

CHARLES W. LEE MABEL L. McKAY
WILLIAM H. WHITE BERTHA D. MacLELLAN
PERCY N. SWEETSER WENDELL B. NEWELL
W. I. BANCROFT

Field Drivers

WILLARD A. BANCROFT WILLIAM F. WELCH
ARDINE M. ALLEN

Town Counsel

JESSE W. MORTON

Workingmen's Compensation Agent

HENRY H. KINSLEY

Moderator

JESSE W. MORTON

*Deceased

TOWN MEETINGS, 1919

ANNUAL TOWN MEETING

ROOM 19, TOWN BUILDING, MARCH 3D, 1919

The annual town meeting was held on the 3rd of March, A. D. 1919, and was called to order by the Moderator, Jesse W. Morton. Warrant was read by the Town Clerk, and the polls were duly opened and closed. The result of the ballot was as follows:

Article 1. To bring in their votes on one ballot for Moderator, Town Clerk, Selectmen, Overseers of the Poor, Treasurer, Collector of Taxes, Tree Warden, two Constables, one member of the Board of Assessors for three years, one Water Commissioner for three years, one member of the Municipal Light Board for three years, one member of the Board of Health for three years, one Sewer Commissioner for three years, two Trustees of Laurel Hill Cemetery for three years, two members of the School Committee for three years, one Park Commissioner for three years, two members of the Planning Board for three years, one member of the Planning Board for one year, two Trustees of the Public Library for three years; also on the same ballot, Yes or No, in answer to the following question:

Shall licenses be granted for the sale of intoxicating liquors in this Town?

MODERATOR, ONE YEAR

Jesse W. Morton, 114 Woburn Street	722
Blanks	165

TOWN CLERK, ONE YEAR

Millard F. Charles, 66 Bancroft Avenue	734
Blanks	153

SELECTMEN, ONE YEAR

Fred M. Cook, 244 South St.	101
Louis Ellenwood, 10 Gould St.	152
J. Edward Frost, 95 Oak St.	584
Edwin L. Hutchinson, 6 Grove St.	492
James W. Killam, 16 Arlington St.	443
William S. Kinsley, 23 Woburn St.	566
Blanks	323

OVERSEERS OF POOR, ONE YEAR

Fred M. Cook, 244 South St.	119
Louis Ellenwood, 10 Gould St.	160
J. Edward Frost, 95 Oak St.	575
Edwin L. Hutchinson, 6 Grove St.	483
James W. Killam, 16 Arlington St.	428
William S. Kinsley, 23 Woburn St.	552
Blanks	344

TREASURER, ONE YEAR

Henry H. Kinsley, 65 Linden St.	744
Blanks	143

COLLECTOR OF TAXES, ONE YEAR

Herbert M. Viall, 42 Bancroft Ave.	738
Blanks	149

ASSESSOR, THREE YEARS

Arthur C. Copeland, 185 Main St.	366
George E. Horrocks, 25 Pleasant St.	471
Blanks	50

TWO CONSTABLES, ONE YEAR

Ardine M. Allen, 77 Bancroft Ave.	675
William E. Swain, 15 Sanborn St.	726
Blanks	373

WATER COMMISSIONER, THREE YEARS

Charles R. Herrick, 219 Pearl St.	319
Henry R. Johnson, 8 Sanborn St.	489
Blanks	79

MUNICIPAL LIGHT BOARD, THREE YEARS

Frank E. Crafts, 89 Woburn St.	726
Blanks	161

BOARD OF HEALTH, THREE YEARS

Edward M. Halligan, 3 Salem St.	744
Blanks	143

SEWER COMMISSIONER, THREE YEARS

John W. Owen, 34 West St.	702
Blanks	185

TWO FOR SCHOOL COMMITTEE, THREE YEARS

Ruth A. Lumsden, 116 Summer Ave.	707
Jesse W. Morton, 114 Woburn St.	715
Blanks	364

TRUSTEES OF LAUREL HILL CEMETERY, THREE YEARS

Frank L. Edgerley, 203 Main St.	739
Charles W. Lee, 67 Woburn St.	686
Blanks	349

TREE WARDEN, ONE YEAR

Henry M. Donegan, 58 Federal St.	753
Blanks	134

TWO TRUSTEES PUBLIC LIBRARY, THREE YEARS

Ralph S. Keneely, 86 Salem St.	687
Horace G. Wadlin, 118 Woburn St.	711
Blanks	376

PLANNING BOARD, ONE YEAR

Henry Q. Millett, 59 Linden St.	675
Blanks	212

PLANNING BOARD, THREE YEARS

Raymond B. Temple, 50 Hill Crest Road	699
Clarence C. White, 26 Sanborn St.	722
Blanks	353

PARK COMMISSIONER, THREE YEARS

Willard P. Adden, 121 Woburn St.	701
Blanks	186

SHALL LICENSES BE GRANTED FOR THE SALE OF INTOXICATING LIQUORS?

Yes	163
No	581
Blanks	143

The ballots were opened, counted and declared in open town meeting, and were sealed and delivered to the Town Clerk.

MILLARD F. CHARLES, Town Clerk.

ANNUAL TOWN MEETING

SECURITY HALL, MARCH 10, 1919

Pursuant to the warrant, a town meeting was held at time and place specified therein and was called to order by the Moderator, Jesse W. Morton.

Article 2. To hear and act on the reports of the Selectmen, Overseers of the Poor, Assessors, Treasurer, Collector of Taxes, School Committee, Water Commissioners, Sewer Commissioners, Municipal

Light Board, Park Commissioners, Planning Board, Trustees of the Cemetery, Trustees of the Public Library, Board of Health, Tree Warden, Town Accountant, Finance Committee and Special Committees.

On motion of J. Edward Frost, Article 2 was laid on the table.

Article 3. To choose all other necessary Town Officers and determine what instructions be given the Town Officers.

On motion of J. Edward Frost, it was voted that Ora L. Millbury, Warren M. Whitehouse, William R. Zwicker, Burton K. Symonds, Edward B. Eames and George L. Flint serve as Surveyors of Lumber for the ensuing year; and that William F. Welch, Ardine M. Allen and Willard A. Bancroft serve as Field Drivers for the ensuing year; and that the Selectmen be authorized to appoint Measurers of Wood and Bark and Weighers of Coal and Hay for the ensuing year; and that the Selectmen act as Fence Viewers for the ensuing year.

Article 4. To determine how much money the Town will raise and appropriate for General Government, Protection of Life and Property, Health and Sanitation, Highways and Bridges, Charities, Soldiers' Benefits, Education, Library, Recreation, Cemetery and Interest.

On motion of J. Edward Frost, it was voted to raise and appropriate $13,651 for General Government divided as follows:

Moderator	$ 60.00
Selectmen's Salaries	500.00
Selectmen's Expenses	200.00
Town Accountant's Salary	750.00
Town Accountant's Expenses	193.00
Treasurer's Salary	600.00
Treasurer's Expenses	368.00
Tax Collector's Salary, 5% of 1%, but not to exceed	1,300.00
Tax Collector's Expenses	275.00
Assessors' Salaries	1,200.00
Assessors' Expenses	550.00
Town Clerk's Salary	200.00
Town Clerk's Expenses	325.00
Town Counsel's Salary	500.00
Registrars' Salaries	130.00
Election Expenses	550.00
Care of Town Office Building	2,000.00
Care of Central Fire Station	600.00
Miscellaneous Expenses	1,800.00
Insurance	1,500.00
Lighting G. A. R. Hall	50.00

On motion of J. Edward Frost, the following amounts were voted:

Fire Department	$11,050.00
Police Department	6,500.00
Fire Alarm Repairs	350.00
Hydrant Rentals	6,030.00
Moth Department	6,000.00
Forest Warden	450.00
Tree Warden	500.00

Voted to appropriate the water receipts for maintenance of the Water Department not to exceed $20,000.

On motion of J. Edward Frost, it was voted to raise and appropriate $845, divided as follows:

Inspector of Wires	$100.00
Sealer of Weights and Measures	300.00
Sealer of Weights and Measures' Expenses	115.00
Building Inspector's Salary	300.00
Building Inspector's Expenses	30.00

On motion of J. Edward Frost, it was voted to raise and appropriate $2,375, divided as follows:

Health Department Salaries	$ 250.00
Health Department Maintenance	1,150.00
Contagious Diseases	650.00
Sewer Department Salaries	225.00
Sewer Department Expenses	100.00

On motion of J. Edward Frost, it was voted to raise and appropriate $26,600, divided as follows:

Highway Maintenance	20,000.00
Snow and Ice Removal	2,000.00
Dust Laying	3,500.00
Concrete Sidewalks and Repairs	1,000.00
Drinking Fountains	100.00

On motion of J. Edward Frost, it was voted to raise and appropriate the following amounts:

Poor Department	3,000.00
Town Home	3,700.00
Mothers' Aid	1,200.00
Soldiers' Relief	900.00

On motion of Walter S. Parker, it was voted to raise and appropriate for Schools, divided as follows:

School Department	74,000.00
Tuition	350.00
Agricultural	4,400.00

On motion of Horace G. Wadlin, it was voted to raise and appropriate for the Public Library 3,000.00

On motion of J. Edward Frost, it was voted to raise and appropriate for Memorial Day 250.00

On motion of Galen A. Parker it was voted to raise and appropriate for care of Common and Parks 550.00

On motion of Galen A. Parker, it was voted to raise and appropriate for care of Laurel Hill Cemetery 1,500.00

On motion of Henry H. Kinsley, it was voted to raise and appropriate for Interest 18,800.00

On motion of Theodore P. Berle, it was voted that in making repairs and improvements on the streets the Selectmen be pledged to secure the utmost benefit for the money spent.

Article 26. To see if the Town will appropriate the sum of $96.23 from the amount in the Excess and Deficiency Account to pay a bill of the Water Department, $54.43, and of the Malden & Melrose Gas Light Co., $41.80, for trenching, etc., on site of Public Library Building, or what it will do in relation thereto. (Trustees of Public Library.)

On motion of Horace G. Wadlin, it was voted that the Town Accountant be and he is hereby authorized to tranfer from the Excess and Deficiency Account the sum of $96.23 for the purpose set forth as contained in Article 26.

Article 6. To see if the Town will authorize the Treasurer, with the approval of the Selectmen, to borrow money from time to time in anticipation of the revenue of the financial year beginning January 1, 1919, and to issue a note or notes therefor, payable within one year, any debt or debts incurred under this vote to be paid from the revenue of said financial year. (Town Treasurer.)

On motion of Henry H. Kinsley, it was voted that the Town Treasurer, with the approval of the Selectmen, be and hereby is authorized to borrow money from time to time in anticipation of the revenue of the financial year beginning Jan. 1, 1919, and to issue a note or notes therefor payable within one year, any debt or debts incurred under this vote to be paid from the revenue of said financial year.

Article. 7. To see if the Town will vote to authorize the Treasurer, with the approval of the Selectmen, to renew or refund any notes issued in anticipation of revenue for a period of less than one year, in accordance with the provisions of Section 9 of Chapter 719 of the Acts of 1913, or to take any action relative thereto. (Town Treasurer.)

Article 7. On motion of Henry H. Kinsley, it was voted that the Treasurer be and hereby is authorized, with the approval of the

Selectmen, to refund notes issued in anticipation of revenue of 1919 in accordance with the provisions of Section 9 of Chapter 719 of the Acts of 1913, the period between the date of issue of the original loan and the date of maturity of the refunding loan to be not more than one year; and any debt or debts incurred under authority of this vote to be paid from the revenue of the financial year 1919.

Article 3. On motion of Carl M. Spencer, it was voted to take Article 3 from the table.

A motion to change the rates of the Water Department was under discussion, when it was voted to adjourn to Monday evening, March 17, 1919, at seven o'clock and forty-five minutes P. M. in Security Hall.

ADJOURNED TOWN MEETING

SECURITY HALL, READING, MARCH 17, 1919.

Town meeting was called to order by the Moderator, Jesse W. Morton, at time and place as per adjournment, viz.: at seven forty-five o'clock P. M. in Security Hall.

Article 3. A discussion of the rates of the Water Department was continued, when on motion of A. Newell Howes it was voted to lay this article on the table.

Article 4. On motion of Edwin L. Hutchinson, it was voted to reconsider the part of the article for an appropriation for the General Expense of the School Department by a vote of 89 yes and 40 no.

On motion of Edwin L. Hutchinson, it was voted to reconsider the amendment whereby three thousand dollars was voted to be added to the recommendation of the Finance Committee.

On motion of Edwin L. Hutchinson, it was voted to raise and appropriate the sum of $71,000 for General School Expenses.

Article 22. To see if the Town will raise and appropriate, or otherwise provide, a sufficient sum of money to complete the reconstruction work at the Municipal Light Plant, or what it will do in relation thereto. (Municipal Light Board.)

Article 23. To see what sum of money the Town will raise and appropriate, or otherwise provide, for the purpose of providing funds for additions and extensions to the Municipal Light Plant during 1919, or what it will do in relation thereto. (Municipal Light Board.)

On motion of Frank E. Crafts, it was voted to act on these two articles jointly.

A motion was offered by Frank E. Crafts and discussed before the meeting, when it was voted to adjourn to meet in this place, Security Hall, at 7.45 P. M., Monday, March 24, 1919.

MILLARD F. CHARLES, Town Clerk.

ADJOURNED TOWN MEETING

Security Hall, March 24, 1919

Town meeting was called to order by the Moderator, Jesse W. Morton, at time and place as per adjournment in Security Hall at 7.45 P. M.

Articles 22 and 23. After some discussion these articles were laid on the table by vote on motion of J. Edward Frost.

Article 3. On motion of J. Edward Frost, it was voted to take this article from the table.

On motion of J. Edward Frost, it was voted that the Selectmen be instructed to purchase a dump truck to cost $3500.

On motion of Edwin L. Hutchinson, it was voted to lay Article 3 on the table.

Article 9. To see if the Town will raise and appropriate the sum of $750 to purchase a Scarifier and Tar Kettle, for the Highway Department, or what it will do in relation thereto. (Selectmen.)

On motion of J. Edward Frost, it was voted to take up the article.

On motion of J. Edward Frost, it was voted that the town raise and appropriate the sum of $750 to purchase a Scarifier and Tar Kettle for the Highway Department.

Article 5. To see if the Town will raise and appropriate the sum of $700 to the Reserve Fund, as provided by Chapter 645 of the Acts of 1913, or what it will do in relation thereto. (Town Accountant.)

Voted to lay this article on the table.

Article 8. To see if the Town will raise and appropriate the sum of $1500 to be expended for a welcome to the Soldiers, Sailors and Marines from Reading who have served in the World War, or what it will do in relation thereto. (Selectmen.)

On motion of J. Edward Frost, it was voted to raise and appropriate $1000 to be expended for a welcome to the Soldiers, Sailors and Marines from Reading who have served in the World War.

Article 10. To see if the Town will raise and appropriate the sum of $700 to continue the work on West Street, provided the State and County each appropriate a like amount, or what it will do in relation thereto. (Selectmen.)

On motion of J. Edward Frost, it was voted to raise and appropriate $700 to continue the work on West Street, provided the State and County provide like amounts.

Article 11. To see if the Town will raise and appropriate the sum of $3000 to macadamize Summer Avenue from Woburn Street toward Mineral Street, or what it will do in relation thereto. (Selectmen.)

On motion of J. Edward Frost, it was voted to raise and appropriate the sum of $1,000 to repair Summer Avenue, as recommended by the Finance Committee.

Article 12. To see if the Town will raise and appropriate the sum of $3000 to repair Woburn Street, from the Railroad Crossing to Lowell Street, or what it will do in relation thereto. (Selectmen.)

On motion of J. Edward Frost, it was voted to raise and appropriate the sum of $500 to repair Woburn Street, from the Railroad Crossing to Lowell Street, as recommended by the Finance Committee.

Article 13. To see how much money the town will raise and appropriate to repair Bay State Road, formerly Pine Street, from Salem Street to Haverhill Street, or what it will do in relation thereto. (Charles Melendy and others.)

On motion of Carl M. Spencer, it was voted that the subject matter of the article be referred to the Board of Selectmen.

Article 14. To see if the Town will raise and appropriate the sum of $5000 to repair Salem Street, or what it will do in relation thereto. (Selectmen.)

On motion of J. Edward Frost, it was voted that the sum of $5000 be raised and appropriated to repair Salem Street.

Article 15. To see if the Town will vote to rent a Playground and raise and appropriate the sum of $342 for that purpose, or what it will do in relation thereto. (Selectmen.)

On motion of J. Edward Frost, it was voted to raise and appropriate the sum of $342 for the purpose of renting a Playground.

Article 16. To see if the Town will vote to add one more Police Officer of the regular Police Force, and how much money it will raise and appropriate for that purpose, or what it will do in relation thereto. (Selectmen.)

On motion of J. Edward Frost, it was voted to add one more Police Officer to the regular Police Force, to be paid from the regular Police Department appropriation.

Article 17. To see if the Town will vote to change the name of Mayall Park to Ernest Leach Park, in honor of Ernest H. Leach, the first boy from Reading to make the supreme sacrifice in the German War, or what it will do in relation thereto. (J. Wesley Davies and others.)

On motion of Theodore P. Berle, it was voted to change the name of Mayall Park to Ernest Leach Park, in honor of Ernest H. Leach, the first boy from Reading to make the supreme sacrifice in the German War.

Article 18. To see if the Town will vote to place the care and custody of the Town Office Building, and the grounds about that

building and the Public Library, in hands of the Board of Selectmen, or what it will do in relation thereto. (Town Office Building Committee.)

On motion of James P. Carleton, it was voted to place the care and custody of the Town Office Building and the grounds about that building and the Public Library in the hands of the Board of Selectmen.

Article 19. To see if the Town will raise and appropriate $200 to have stone bounds or other substitutes placed at the angles of the streets that have recently been laid out and not properly bounded, or what it will do in relation thereto. (James A. Bancroft and others.)

On motion of James A. Bancroft, it was voted that the sum of $200 be appropriated from the Highway General Appropriation to put stone bounds at the angles of streets that have not been properly bounded.

Article 20. To see if the Town will raise and appropriate the sum of $710 for a Ford Automobile and expense of maintenance of the same, for the Police Department, or what it will do in relation thereto. (Chief of Police.)

On motion of J. Edward Frost, it was voted to raise and appropriate the sum of $710 to purchase and for maintenance of a Ford Automobile for the Police Department.

Article 21. To see what sum the Town will appropriate from the tax levy for the Municipal Light Department as compensation for street lights. (Municipal Light Board.)

On motion of Frank E. Crafts, it was voted that $14,450 be raised and appropriated for the use of the Municipal Light Department as compensation for street lights, and this amount, together with the unexpended balance in the operation fund and the receipts of the plant for the current year, be appropriated for the use of Municipal Light Board to meet the obligations of the department for the fiscal year ending Dec. 31, 1919.

Articles 22 and 23. On motion of A. Newell Howes, it was voted to take these articles from the table.

On motion of Frank E. Crafts, it was voted that there be raised and appropriated for the purpose of additions and extensions to the Municipal Light Plant during the year 1919 the sum of $20,000 in addition to the amount which may be available for such purposes in the depreciation fund, and that $15,000 of the amount so appropriated be expended for completing the additions to the Municipal Lighting Generating Station and the balance for additions and extensions to lines and services within the limits of the Town of Reading, and that the Town Treasurer with the approval of the Selectmen, be and hereby is authorized to borrow for the above purposes the sum of $20,000 and to issue bonds or notes of the town therefor, which bonds or notes

shall bear interest at a rate not exceeding five per cent. per annum and shall be payable in accordance with the provisions of Chapter 719 of the Acts of 1913 and any acts in amendment thereof, so that the whole loan shall be paid in not more than twenty years from the date of the first note or bond issued. Seventy-five voted yes, five voted no, and it was declared carried by a two-thirds vote.

Article 24. To see if the Town will vote to authorize the Municipal Light Board to install incandescent street lights on any, or all, the following streets, or what it will do in relation thereto.

Six (6) on Willow Street, between Summer Avenue and Lowell Street.

Two (2) on Summer Avenue, between Hopkins Street and residence of Mr. George Forbes.

Six (6) on South Street, between Main Street and Walnut Street.

Three (3) on Forest Street, West of Main Street.

One (1) on Locust Street, near residence of Mr. Percy Jeffrey. (Municipal Light Board.)

On motion of Frank E. Crafts it was voted that the subject-matter of this article be referred to the Municipal Light Board, with authority to install on the public streets such of said lights as in their judgment are necessary, and to make such changes in existing lights as may be advisable, and that the cost of same be paid from the Depreciation Fund.

On motion of Charles H. Stinchfield, it was voted to adjourn to meet in Security Hall on Monday, March 31, 1919, at 7.45 o'clock P. M.

MILLARD F. CHARLES, Town Clerk.

ADJOURNED TOWN MEETING

Security Hall, March 31, 1919

Pursuant to adjournment, a town meeting was held at time as adjourned, and was called to order by the Moderator, Jesse W. Morton.

Article 25. To see if the Town will appropriate the sum of $50, or some other amount, and elect a director for demonstration work in agriculture and home economics, the money to be expended by, and the director to serve in co-operation with the County Agricultural Trustees of the Middlesex County Bureau of Agriculture and Home Economics, under the provisions of Chapter 273, General Acts of 1918, or what it will do in relation thereto. (Selectmen).

On motion of J. Edward Frost, it was voted that the Selectmen be empowered to appoint a Director for Demonstration Work in Agri-

culture and Home Economics and that the Town Accountant be and he is hereby authorized to transfer the sum of $50 from the Excess and Deficiency Fund for the purpose set forth in this article.

Article 27. To see if the Town will accept the gift of $1,000 from Miss Clara C. Pierce for the improvement of Memorial Park, and raise and appropriate an additional sum of $1,000 for the same purpose, or what it will do in relation thereto. (Park Commissioners).

On motion of Galen A. Parker, it was voted that the Town accept the gift of $1,000 from Miss Clara C. Pierce for the improvement of Memorial Park and that they appropriate a like amount as follows, viz.: $600 to be taken from the Excess and Deficiency Account and $400 from the Reserve Fund from Surplus Overlay and that the Town Accountant be and he hereby is authorized to transfer the above sums from these accounts for the purposes set forth in Article 27.

On motion of Galen A. Parker, and as amended by Theodore P. Berle, it was voted that the Town extend a vote of thanks to Miss Clara C. Pierce for her generous gift of $1,000 and that a copy of this vote be suitably transcribed and be presented by the mover, Galen A. Parker.

Article 28. To see if the Town will pay the Call Firemen one hundred ($100.00) dollars per year, and raise and appropriate six hundred and twenty-five dollars ($625.00) for that purpose, or what it will do in relation thereto. (Timothy J. Cullinane and others).

On motion of Timothy J. Cullinane, it was voted that the Call Firemen be paid $100 per year, and it was voted to raise and appropriate $625 for that purpose to pay for the increase in their salaries.

Article 29. To see if the Town will raise and apropriate the sum of two hundred ($200.00) dollars to purchase suitable waterproof coats for the Call Firemen, or what it will do in relation thereto. (Timothy J. Cullinane and others).

On motion of Edwin L. Hutchinson, it was voted to raise and appropriate the sum of two hundred ($200.00) dollars for the purpose of providing rubber coats for the Call Firemen.

Article 30. To hear and act on the report of the Special Committee on the Consolidation of Town Departments. (Selectmen).

On motion of Carl M. Spencer, it was voted to discharge old committee on Consolidation of Town Departments.

On motion of Carl M. Spencer, it was voted that the Moderator appoint a Special Committee of five to consider the general consolidation of Town Officers and Departments, and to report as soon as

possible on a temporary arrangement that they might advise and at a later date as to permanent consolidation. That an Auditor be recommended to audit all accounts.

The following were appointed as a committee by the Moderator: Carl M. Spencer, Joseph D. Knight, Herbert G. Evans, Fred D. Sperry, Charles H. Stinchfield.

Later, Charles A. Loring was appointed in place of Carl M. Spencer resigned.

On motion of Edwin L. Hutchinson, it was voted that the procedure of the Moderator be sustained in regard to the consideration of the School Appropriation.

It was voted that the Moderator appoint a committee of three to revise the By-Laws of the Town.

Article 31. To see if the Town will instruct the proper officers to petition the General Court for the necessary legislation to consolidate the Water and Sewer Departments, or what it will do in relation thereto. (Charles H. Stinchfield and others).

It was voted to pass over.

Article 32. To see if the Town will vote to authorize the Municipal Light Board to install incandescent street lights on South Street, between Main and Walnut Streets, and how much money they will raise and appropriate, or otherwise provide therefor, or what they will do in relation thereto. (David Weston and others).

On motion of Frank E. Crafts, it was voted that the subject-matter of this article be referred to the Municipal Light Board.

Article 33. To see if the Town will raise and appropriate the sum of $500 to continue the building of the sidewalk on North Main Street, from Irving Street northerly along land of Charles I. Nesmith and others, or what it will do in relation thereto. (Rolland L. Perry and others).

On motion of Rolland L. Perry, it was voted to raise and appropriate five hundred dollars to continue the building of the sidewalk on Main Street, from Irving Street northerly, along land of Charles I. Nesmith and others.

Article 34. To hear and act on the report of the Selectmen on the laying out of Ridge Road, and see how much money the Town will raise and appropriate to lay out said road, or what it will do in relation thereto. (Charles W. Jenks and others).

On motion of J. Edward Frost, it was voted that no action be taken by the Town on the subject-matter contained in this article.

On motion of Lewis M. Bancroft, it was voted to take Article 3 from the table.

It was moved by Carl M. Spencer, that the Water Department Commissioners be instructed to put in force a proposed new schedule in water rates which will increase the receipts of the Department by about $3,000 this year and $8,000 in succeeding years, or approximately 30 per cent. Twenty-seven voted yes and 49 voted no, therefore it was declared not a vote.

Article 2. It was voted to take from the table.

On motion of Lewis M. Bancroft, it was voted to accept reports of Town Officers as printed, and also the Finance Committee's report.

Article 3. On motion of Lewis M. Bancroft, it was voted to take Article 3 from the table.

On motion of Theodore P. Berle, it was voted that the Selectmen be instructed to notify the Police Department to rigidly enforce the automobile laws.

Voted to adjourn sine die.

MILLARD F. CHARLES, Town Clerk.

SPECIAL TOWN MEETING

Security Hall, June 9, 1919

Pursuant to a warrant a town meeting was held in Security Hall on Monday evening, June 9, 1919, at 7.45 o'clock. The Moderator, Jesse W. Morton, called the meeting to order.

Article 1. To see if the Town will raise and appropriate the sum of fourteen hundred ($1,400) dollars for clerical assistance for the Board of Assessors and the Board of Selectmen for the balance of the current year. (Committee on Consolidation of Town Depts.).

On motion of Charles A. Loring, it was voted to raise and appropriate the sum of $450 for clerical assistance for the Board of Assessors for the balance of the current year and $700 for the Board of Selectmen for balance of the current year for clerical assistance.

Article 2. To see if the Town will raise and appropriate the sum of six hundred seventy-nine dollars ($679.00) to equip the Robinson Combination Fire Truck with pneumatic tires, or what it will do in relation thereto. (Selectmen).

On motion of J. Edward Frost, it was voted that the Town raise and appropriate the sum of $679 to equip the Robinson Combination Fire Truck with pneumatic tires.

Article 3. To see if the Town will raise and appropriate or otherwise provide the sum of one thousand six hundred eighty-seven

dollars ($1,687.00) for the purpose of remodelling the John Street School House for the use of the Highway Department, or what it will do in relation thereto. (Selectmen).

On motion of William S. Kinsley, it was voted to raise and appropriate the sum of $1,687 for the purpose of remodelling the John Street School House for the use of the Highway Department.

Article 4. To see if the Town will authorize the Sewer Commissioners to construct additional sewers in certain streets within the Town. (Sewer Commissioners).

On motion of John W. Owen, it was voted that the Sewer Commissioners be, and they hereby are, authorized to construct sewers in streets and parts thereof, in addition to the sewers which said Commissioners have heretofore been authorized to construct, in accordance with plans drawn by F. A. Barbour and adopted by the Town, such additional sewers to be constructed as far as possible in the following streets, namely:

Linden St., manhole to Woburn St.
High St., Haven to Woburn St.
Woburn, High to Sanborn St.
Sanborn St., Woburn to Lowell St.
Salem St., Harrison to Harnden St.
Harnden St., Salem St. to Reading Sq.
Middle St., Pleasant St. to Union St.
Union St., Middle St. to Harnden St.
John St., Salem St. to Pleasant St.
Berkeley St., Woburn St. to King St.
Summer Ave., Woburn St. to King St.
Prescott St., Perkins Ave. west.
Howard St., Hillcrest Road to West St.
Hillcrest Road, Howard St. to Prescott St.
Washington St., Lincoln St. to Prescott St.
Lincoln St., Prescott St. to Woburn St.
Woburn St., Lincoln St. to Pratt St.
Temple St., Woburn St. to Summer Ave.
Minot St., Washington St. to Park Ave.
Warren Ave., Maple St. to Minot St.
Maple St., Centre Ave. to Warren Ave.
Main St., Park Ave. to Ash St.
Park Ave., Main St. to end.
Middlesex Ave., Deering St. to Kingston St.
Kingston St., Middlesex Ave. to Mt. Vernon St.
Mt. Vernon St., Bancroft Ave. to Linden St.
Linden St., manhole to Woburn St.

Article 5. To see if the Town will raise and appropriate or otherwise provide, a sum not to exceed forty thousand dollars ($40,000)

for the purpose of paying for any portion of the cost of installing such additional sewers in accordance with plans as drawn by F. A. Barbour and adopted by the Town, and will authorize the Treasurer, with the approval of the Selectmen, to borrow said sum and to issue therefor, bonds or notes of the Town, such bonds or notes to be payable in accordance with the provisions of Section 7, Chapter 314 of the Acts of 1909, and acts in amendment thereof or in addition thereto, or what it will do in relation thereto. (Sewer Commissioners).

On motion of John W. Owen, it was voted to lay this article on the table.

Article 6. To see if the Town will authorize the Sewer Commissioners to construct drains connecting estates with the main drains laid in streets. (Sewer Commissioners).

On motion of John W. Owen, it was voted that the Sewer Commissioners be, and they hereby are, authorized to construct drains connecting estates with main drains constructed in streets within the town.

Article 7. To see if the Town will raise and appropriate or otherwise provide, a sum not exceeding five thousand dollars ($5,000.00) for the purpose of paying for any art of such drains and will authorize the Treasurer with the approval of the Selectmen, to borrow said sum and to issue therefor bonds or notes of the Town, such bonds or notes to be payable in accordance with the provisions of Chapter 49 of the Revised Laws so that the whole loan shall be paid in not more than three years, or what it will do in relation thereto. (Sewer Commissioners).

Voted that the sum of five thousand ($5,000.00) dollars be raised and appropriated for the purpose of paying for the construction of drains connecting estates with the main sewer drains laid in the streets of the town, and that the Treasurer, with the approval of the Selectmen, be, and he hereby is, authorized to borrow said amount and to issue bonds or notes of the town therefor, said bonds or notes to be payable in accordance with the provisions of Chapter 49 of the Revised Laws, so that the whole loan shall be paid in not more than three years from the date of the first bond or note issued. Eighty-six voted yes and none voted no.

Article 8. To hear and act upon the report of the Special Committee on Revision of the By-laws of the Town. (B. W. Smith).

The committee on By-Laws, by its chairman, Benjamin W. Smith, made a report on certain amendments to the By-Laws.

On motion of William S. Kinsley, it was voted to accept report and lay this article on the table.

Article 9. To see if the Town will authorize the Moderator to appoint a committee of three to investigate the advisability of open-

ing up the brooks and natural water sources flowing from Reading into Lake Quannapowitt. (Selectmen).

On motion of William S. Kinsley, it was voted that the Town authorize the Moderator to appoint a committee of three to investigate the advisability of opening up the brooks and natural water sources flowing from Reading into Lake Quannapowitt.

Article 8. On motion of Edwin L. Hutchinson, it was voted to take Article 8 from the table.

On motion of Edwin L. Hutchinson, it was voted that the By-Laws recommended by the Committee be printed in THE READING CHRONICLE.

It was voted to lay Article 8 on the table.

Article 10. To see if the Town will appoint a committee to secure plans and estimates as to the cost of a municipal garage, and storage building to be erected on the Pleasant Street lot, and to see if the Town will raise and appropriate or otherwise provide the sum of three hundred dollars ($300.00) for the use of said committee, or what it will do in relation thereto. (Planning Board).

On motion of Chester J. Wallace, it was voted that the Moderator appoint a committee of five to secure plans and estimate for a Municipal Garage and Storage Building to be erected on the Pleasant Street lot and report at the next town meeting, and that the sum of $150.00 be raised and appropriated or otherwise provided for the use of said Committee.

Article 11. To see if the Town will raise and appropriate the sum of one thousand dollars ($1,000.00) for the purchase of a one-ton Ford Chassis for Hose 2, and installing a small heater with fireproof wall in the house, or what it will do in relation thereto. (H. W. Hunt and others).

On motion H. W. Hunt, it was voted that the sum of $1,000 be raised and appropriated for the purpose of a Ford or other Chassis for Hose House No. 2 Woburn Street, and for the purpose of installing a small heater with fireproof room for same.

Article 12. To see if the Town will lay a water pipe on South Street, with proper gates and hydrants from opposite the house of Edson A. Porter, south and east on said street about 820 feet, and how much money it will raise and appropriate or otherwise provide to pay the cost of same, or what it will do in relation thereto. (J. E. Alger and others).

On motion of Walter S. Parker, it was voted to raise and appropriate the sum of $1,500 to lay a water main with proper gates and hydrants on South Street, from opposite the house of Edson A. Porter, south and east on said street about 820 feet.

Article 13. To see if the Town will raise and appropriate two thousand dollars ($2,000.00) for teachers' salaries in addition to sums already appropriated for maintenance of the Public Schools for the year 1919, or what it will do in relation thereto. (School Committee).

On motion of Walter S. Parker, it was voted to raise and appropriate the sum of $1,500 for teachers' salaries in addition to the amount already appropriated for maintenance of the public schools for the year 1919.

It was voted to adjourn to Monday evening, June 16, 1919, to meet in New Town Office Building, Room 19, at 7.45 o'clock.

MILLARD F. CHARLES, Town Clerk.

ADJOURNED TOWN MEETING

TOWN OFFICE BUILDING, JUNE 16, 1919

A town meeting was held and called to order by the Moderator at New Town Office Building, Room 19.

After some discussion, a motion was made and carried to adjourn sine die.

MILLARD F. CHARLES, Town Clerk.

SPECIAL TOWN MEETING

TOWN OFFICE BUILDING, ROOM 19, JULY 21, 1919

A town meeting was called to order by the Moderator, Jesse W. Morton.

Article 1. To see if the Town will raise and appropriate, or otherwise provide, a sum not to exceed $40,000.00 for the purpose of paying the cost of installing any portion of the additional sewers authorized by vote under Article 3 of the warrant for the Special Town Meeting held June 9, 1919, and will authorize the Treasurer, with the approval of the Selectmen, to borrow said sum and to issue therefor bonds or notes of the Town, such bonds or notes to be payable in accordance with the provisions of Sec. 7, Chapter 314, of the Acts of 1909, and in Acts in amendment therefor or in addition thereto, or what it will do in relation thereto.

Voted to lay this article on the table.

Article 2. To see if the Town will authorize the Town Accountant to transfer from the Excess and Deficiency Fund the sum of

$400 for the purpose of increasing the pay of the regular Police Force fifty cents per day from the 1st of July, 1919, or what it will do in relation thereto.

On motion of J. Edward Frost, it was voted that the Town Accountant be authorized to transfer from the Excess and Deficiency Account $400 to the Police Department for the purpose of increasing the pay of the regular Police Force fifty cents per day from the 1st of July, 1919.

Article 4. To determine what instructions be given the Town Officers.

On motion of Charles H. Stinchfield, it was voted to instruct the Selectmen to sell the Hose House on Hopkins Street, and Hose House with lot on Main Street, at a price not less than the appraised value.

Article 1. Voted to take this article from the table.

On motion of John W. Owen, that the Town issue bonds for Sewer Extensions to an amount of $40,000,—vote was not carried, as it required a two-thirds vote in favor. Twenty-six voted yes. Nineteen voted no.

Voted to adjourn sine die.

MILLARD F. CHARLES, Town Clerk.

The Moderator appointed the following as a Committee to investigate cleaning out the brooks and streams flowing into Lake Quannapowitt: William S. Kinsley, chairman, John W. Owens, Frank F. Strout.

As a Committee on plans for a Municipal Garage: The Planning Board, Chester J. Wallace, Raymond B. Temple, Leone F. Quimby, Henry Q. Millett, Clarence C. White.

STATE ELECTION, NOV. 4, 1919

The following is a result of the ballot for State and County Officers:

Governor

Calvin Coolidge, Northampton	1104
Charles B. Ernst, Worcester	2
William A. King, Springfield	1
Richard H. Long, Framingham	273
Ingvar Paulsen, Boston	3
Blanks	16

Lieutenant Governor

Charles J. Brandt, Brockton	14
Channing H. Cox, Boston	1082
H. Edward Gordon, Boston	9
John F. J. Herbert, Worcester	253
Patrick Mulligan, Boston	6
Blanks	35

Secretary

Harry W. Bowman, Boston	19
James Hayes, Plymouth	5
Albert P. Langtry, Springfield	1095
Charles H. McGlue, Lynn	206
Herbert H. Thompson, Haverhill	5
Blanks	69

Treasurer

Fred J. Burrell, Medford	909
David Craig, Milford	4
Charles D. Fletcher, Somerville	5
Louis Marcus, Boston	5
Chandler M. Wood, Winchester	410
Blanks	66

Auditor

Arthur J. B. Cartier, Fall River	239
Alonzo B. Cook, Boston	1055
Oscar Kinsalas, Springfield	3
Walter P. J. Skahan, Springfield	3
Henry J. D. Small, Boston	14
Blanks	85

Attorney-General

J. Weston Allen, Newton	1080
Morris I. Becker, Chelsea	5
Joseph A. Conry, Boston	214
Conrad W. Crooker, Melrose	30
William R. Henry, Lynn	6
Blanks	64

Councillor, Sixth District

James G. Harris, Medford	1143
Blanks	256

Senator, Seventh Middlesex District

Charles H. Burns, Lynn	226
Gardner W. Pearson, Lowell	1062
E. B. Eames, Reading	2
Blanks	102

REPRESENTATIVES IN GENERAL COURT, EIGHTEENTH MIDDLESEX DISTRICT

George L. Flint, Reading	320
John F. Holloran, Jr., Woburn	142
Samuel W. Mendum, Woburn	876
Walter S. Parker, Reading	1093
Blanks	367

COUNTY COMMISSIONER, MIDDLESEX COUNTY

Erson B. Barlow, Lowell	1057
Charles J. Barton, Melrose	234
Blanks	108

ASSOCIATE COMMISSIONERS, MIDDLESEX COUNTY

Frederic P. Barnes, Newton	1086
H. Harding Hale, Hudson	909
Blanks	803

DISTRICT ATTORNEY, NORTHERN DISTRICT

William E. Russell, Cambridge	236
Nathan A. Tufts, Waltham	1083
Blanks	80

CONSTITUTIONAL AMENDMENT

"Shall the Rearrangement of the Constitution of the Commonwealth, submitted by the Constitutional Convention, be approved and ratified?"

Yes	741
No	135
Blanks	523

"Shall an act passed by the General Court in the year nineteen hundred and nineteen, entitled 'An Act relative to the establishment and maintenance of continuation schools and courses of instruction for employed minors', be accepted?"

Yes	747
No	107
Blanks	445

"Shall Chapter 116, General Acts of 1919, approved by the General Court without division, which provides that deposits in savings banks and savings departments of trust companies may be placed on interest once a month and not oftener; that dividends on such deposits may be declared semi-annually and not oftener, and that interest shall not be paid on any such deposits withdrawn between dividend days, be approved?"

Yes	686
No	288
Blanks	425

"Shall the Representatives from this district be instructed to vote for legislation to regulate and license the manufacture and sale of beverages containing not over four per cent of alcohol by weight and to define same to be non-intoxicating?"

Yes	614
No	620
Blanks	165

The ballots were counted in open town meeting, were sealed and delivered to the Town Clerk, whereupon it was voted to adjourn.

MILLARD F. CHARLES, Town Clerk.

SPECIAL TOWN MEETING NOVEMBER 5, 1919

Room 19, Town Office Building

The meeting was called to order by the Moderator, Jesse W. Morton.

Article 1. To see if the Town will authorize the Town Accountant to transfer the sum of $800 (eight hundred dollars) from the Excess and Deficiency Account to the Welcome Home Appropriation, to meet in part the expenses for entertaining, or what it will do in relation thereto. (Selectmen.)

On motion of J. Edward Frost, it was voted that the Town Accountant be, and he is authorized, to transfer the sum of $800 from the Excess and Deficiency Account to the Welcome Home Appropriation for the purpose as set forth for entertaining the Service Men.

Article 2. To see what instructions the Town will give its Town Officers. (Selectmen.)

On motion of Theodore P. Berle, it was voted to lay this article on the table.

Article 3. To see if the Town will vote to raise the pay of the permanent Firemen, commencing November 1, 1919, to $4.00 per day, and the Chief of the Fire Department to $4.50 per day, and authorize the Town Accountant to transfer the sum of one hundred fifty-six dollars ($156.00) from the Surplus Overlay Account to meet the expense of the above raise, or what it will do in relation thereto. (Selectmen.)

On motion of J. Edward Frost, it was voted that the Town Accountant be, and he is authorized, to transfer the sum of $156 from the Surplus Overlay Account to the Fire Department Appropriation

for the purpose of establishing the pay of the Permanent Firemen at $4.00 per day and of the Chief of the Fire Department at $4.50 per day.

Article 4. To see if the Town will raise and appropriate the sum of five thousand ($5,000) dollars for the purpose of paying for any portion of the cost of constructing sewers as authorized by vote of the Town, in accordance with plans drawn by F. A. Barbour and adopted by the Town, and will authorize the Treasurer, with the approval of the Selectmen, to borrow said sum and to issue therefor bonds or notes of the Town, such bonds or notes to be payable in accordance with the provisions of Section 7 of Chapter 14 of the Acts of 1909, with amendments thereof and additions thereto, so that the whole loan shall be paid in not more than (30) thirty years from the date of the first bond or note issued. (Sewer Commissioners.)

On motion of John W. Owen, it was voted that there be raised and appropriated the sum of five thousand dollars ($5,000) for the purpose of paying for any cost of constructing sewers as authorized by the vote of the Town, in accordance with plans drawn by F. A. Barbour, and adopted by the Town, and that the Treasurer be and hereby is authorized and directed, with the approval of the Selectmen, to borrow said sum and to issue therefor bonds or notes of the Town, such bonds or notes to be payable in accordance with the provisions of Sec. 7, Chap. 314 of the Acts of 1909, with amendments thereof and additions thereto, so that the whole loan shall be paid in not more than thirty years from the date of the first bond or note issued and at such dates and in such amounts as the Treasurer and Selectmen may determine. Thirty voted yes, and none voted no.

Article 5. To see if the Town will raise and appropriate, or otherwise provide, a sufficient sum of money to pay outstanding bills for the re-construction work at the Municipal Light Plant, or what they will do in relation thereto. (Municipal Light Board.)

On motion of Frank E. Crafts, voted that there be raised and appropriated for the purpose of completing the additions and extensions to the Municipal Light Plant during the year 1919 the sum of $3,000 in addition to the amount which may be available for such purposes in the Depreciation Fund, and that the Town Treasurer, with the approval of the Selectmen be, and hereby is, authorized to borrow for the above purpose the sum of $3,000 and to issue bonds or notes of the town therefor, which bonds or notes shall bear interest at a rate not exceeding five per cent. per annum, and shall be payable in accordance with the provisions of Chapter 719 of the Acts of 1913 and any acts in amendment thereof, so that the whole loan shall be paid in not more than two years from the date of the first bond or note issued. Sixteen voted yes and two voted no.

On motion of Frank E. Crafts, it was voted that for the purpose of meeting in part the expenses for completing the additions and extensions to the Municipal Light Plant, the Municipal Light Board be, and is hereby authorized, to transfer the sum of $1,000 from the Reading Construction Account to the Re-construction Account.

Artice 6. To see if the Town will raise and appropriate, or otherwise provide, a suitable sum of money to pay for coal purchased by the Municipal Light Board in anticipation of the impending coal strike, or what they will do in relation thereto. (Municipal Light Board.)

Article 6. On motion of Frank E. Crafts it was voted that there be raised and appropriated the sum of $6,500 for the purpose of purchasing coal for the Municipal Light Board, and that the Treasurer, with the approval of the Selectmen, be and hereby is authorized to borrow said sum and to issue a note or notes of the Town therefor, payable in not more than six months from the date of issue. This loan is to be made under the provisions of Clause 15 of Section 5 of Chapter 719 of the Acts of 1913, the same being deemed an emergency involving the safety of the people; and that a sufficient sum shall be raised by the Light Board to retire any loan or loans issued in accordance with this vote. Twenty-five voted yes and none voted no.

Article 2. On motion of A. Newell Howes, it was voted to take this article from the table.

No action was taken under this article. It was voted to adjourn.

MILLARD F. CHARLES, Town Clerk.

COMMONWEALTH OF MASSACHUSETTS, COUNTY OF MIDDLESEX,
CITY OF WOBURN

In accordance with the provisions of Section 322, Chapter 835, Acts of 1913, the City Clerk of Woburn and the Town Clerks of Reading, and Stoneham, being the City and Town Clerks of every city and town in Representative District number eighteen within said County, met at the City Hall, Woburn, at noon on Friday, November 14th, A. D. 1919, being the tenth day succeeding the day of the State Election held on Tuesday, November 4th, A. D. 1919, and then and there opened, examined and compared the copies of the records of votes cast at said election for the office of Representative, and determined therefrom that Walter S. Parker of Reading and Samuel W. Mendum of Woburn were elected to the office of Representative.

The following is a schedule of the names of all persons for whom votes for Representative were given in said District and the number of votes given for each person, viz.:—

George L. Flint of Reading 1770
John F. Holloran, Jr., of Woburn 1887
Samuel W. Mendum of Woburn 2967
Walter S. Parker of Reading 3002

In witness whereof, we the City Clerk of Woburn and the Town Clerks of Reading and Stoneham hereunto set our hands this fourteenth day of November, A. D. 1919.

JAMES A. McLAUGHLIN, City Clerk, Woburn.
MILLARD F. CHARLES, Town Clerk, Reading.
GEORGE N. GREEN, Town Clerk, Stoneham.

Clerk's Office, Reading, Mass., November 14, 1919.

Received and recorded.

Attest: MILLARD F. CHARLES, TOWN CLERK.

NOTICE TO PARENTS, HOUSEWIVES, PHYSICIANS AND MIDWIVES

Your Attention is Called to the Sections Below Taken from the Revised Laws.—Blank Forms for Return of Births Can be Obtained of the Town Clerk.

SECTION 3, CHAPTER 444, ACTS 1897

SECT. 3.—Physicians and midwives shall on or before the fifth day of each month report to the clerk of each city or town a correct list of all children born therein during the month next preceding, at whose birth they were present, stating the date and place of each birth, the name of the child, if it has any, the sex and color of the child, the name, place of birth and residence of the parents, the maiden name of the mother, and the occupation of the father. If the child is illegitimate the name of the father shall not be stated, unless at the joint request in writing of both father and mother, which request shall be filed with the returns of births. The fee of the physicians or midwife shall be twenty-five cents for each birth so reported, and shall be paid by the city or town in which the report is made, upon presentation of a certificate from the city or town clerk, stating that said births have been reported in conformity with the requirements of this section. Any physician or midwife neglecting to report such list for ten days after it is due shall for each offence forfeit a sum not exceeding twenty-five dollars.

SECTION 6, CHAPTER 444, ACTS 1897

SECT. 6.—Parents and Householders shall within forty (40) days after the date of a birth occurring in his house give thereof or cause such notice to be given to the clerk of the city or town in which such child is born.

MILLARD F. CHARLES, Town Clerk.

DOGS LICENSED DURING YEAR 1919

Whole number of licenses issued		310
35 Female licenses at $5.00	$175.00	
274 Male licenses at $2.00	548.00	
1 Kennel license at $25.00	25.00	
Total cash received	$748.00	
Less fees for 310 licenses at 20 cents	62.00	
Total due County Treasurer		$686.00
Paid County Treasurer June 1, 1919	$414.60	
Paid County Treasurer Dec. 1, 1919	271.40	
Total paid County Treasurer		$686.00

Hunters' Licenses Issued Year 1919

178 Hunters' licenses at $1.00	$178.00	
14 Fishing licenses at 50 cents	7.00	
50 Trapping licenses, free	.00	
Total receipts	$185.00	
192 license fees at 15 cents	28.80	
		$156.20
Paid Fisheries and Game Commissioners:		
April 1, 1919	$ 18.70	
September 25, 1919	22.95	
November 7, 1919	102.00	
December 2, 1919	7.15	
January 3, 1920	5.40	
Total paid		$156.20

Attest: MILLARD F. CHARLES, Town Clerk.

BIRTHS REGISTERED IN TOWN OF READING FOR YEAR 1919

Date	Name	Parents
Jan.		
1	Eva Pauline Williams	Ralph B. and Frances W.
2	Alma Francis Knight	Walter B. and Grace L.
7		
8	Marion Myrtle Smith	William R. and Mary
13	Joseph Ralph Robbins	George and Alma
20	James Arthur Roxbee	Charles H. and Lydia
31	Clayton Ellsworth Hale	Walter L. and Adah F.
Feb.		
1	William Montgomery Davis	George W. and Katherine M.
2	Paul Edward White	Edwin and Mary
5	Edwin Howard Perkins	Howard D. and Lillian E.
5	Raymond Edgar Thorn	Frederick J. and Harriett O.
8	Robert Tebeau	Frank and Delia
8	Marcus Ernest Hall	Orick D. and Mary A.
14	Raymond Geo. Doucette, Jr.	Raymond G. and Mabel P.
17	Purbeck	Ernest E. and Alice M.
25	Charles Walter Tucker	Walter D. and Rose
27	Elizabeth MacGregor	Milton E. and Helen A.
28	Marion Chisholm Brown	Everett W. and Helen M.
Mar.		
4	Joseph Fred'k Frotten	Fred J. and Mary D.
5	Harold Tyler Robinson	Alton T. and Sadie M.
7	Jack Edward Delorey	John E. and Rose
12	Philip Emery Robinson	John C. and Genevieve
13	Elizabeth Leavitt Buck	Malcolm R. and Noma W.
15	Clifton Alden Perry	Rolland L. and Lottie F.
19	Madeline Gertrude Heselton	Charles H. and Minnie
20	Virginia Christine Larson	Harry L. and Marcella M.
22	Robert Edward Morrison	Berton W. and Emma E.
22	Philip Longfellow Jewett, Jr.	Philip L. and Mary S.
22	Marjorie Ruth Bronson	Frederic E. and Ora L.
23	Rita Elizabeth Whelton	John H. and Nora L.
24	Donald Ross Howard	Jonathan T. and Emma H.
25	Joseph Edward Doucette	Jeffrey and Jessie A.
27	Nadine Lois Johnson	Harold R. and Ethel M.
April		
3	Chester James MacNeil	Chester E. and Mildred E.
4	William Thomas McMahon	Thomas H. and Mary L.
8	Harron Kozlowska	Stephen and Mary Borduk

BIRTHS REGISTERED IN TOWN OF READING FOR YEAR 1919

Date	Name	Parents
April		
8	Ralph Kingston Clark	T. J. and Mabel G.
11	Robert Douglas Hodson	Sydney M. and Alice L.
11	Russell Francis Galvin	Jeremiah F. and Minnie E.
11	Gladys Louise Allen	Francis S. and Abbie C.
12	Charles Edward Gorey	Edward H. and Mary E.
15	Harry Bean Ramsey, Jr.	Harry B. and Mildred S.
19	Morand	Edward J. and Clara N.
23	Carleton Thomas Higgins	Carl William and Ida E. E.
27	John Henry Muse	Edward F. and Florence M.
28	Earl Henry Vanhon	William H. and Dora
May		
4	Robert Hayne Lougee	Carl W. and Lillian
5	Mary Eleanor Doucette	John J. and Eunice
6	Edwin Russell Merritt	Fred E. and Helen C.
25	Margaret Ellen Reeves	Waldo N. and Laura
25		
26	Norman Hayes Florence	William E. and Edith May
28	Frederick Murphy	William J. and Xavier J.
30	Francis Herbert Bruey	Francis H. and Anna C.
June		
4	Mildred Abbot Yates	George W. and Ethel B.
5	Bessie Mildred Wooldridge	Frank M. and Viola M.
9	Natalie Beatrice Drewett	Frank S. C. and Emma V.
10	Roger William Plummer, Jr.	Roger W. and Louise
12	Mary Margaret Jones	William F. and Marguerite L.
14	Raymond Albion Nichols	Jesse R. and Adelaide M.
15	Marcus Emery Morton	Jesse W. and Marian A.
17	George Leslie Gilman	Edgar M. and Edith M.
18	Elmer Eugene DeCoster	Algernon and Helen Elizabeth
19	Thelma Charlotte Taylor	Charles A. and Anna C.
20	Carl Gilman Moore, Jr.	Carl G. and Alecia R.
21	Carl Leslie Wood	Frank P. and Mabel E.
25	Dorothy Mae O'Brien	John J. and Edith J.
25	Albert Francis Glaeser	Ernest L. and Mary A.
25	Charles Robert Stark	Harry E. and Marguerite L.
26	Herbert Stanley Greene	Albert C. and Lillian M.
27	Charlotte Eliz'b'th Ellingwood	Charles W. and Minerva G.
28	Mary Rita Hubbard	Simon D. and Delsie M.
29	Marie Eileen Muse	Henry and Elizabeth M.

BIRTHS REGISTERED IN TOWN OF READING FOR YEAR 1919

Date .	Name	Parents
July		
1	John Arthur Putnam	Chester A. and Carolyn J.
7	Florence Gibbs	George H. and Evelyn A.
8	Leon Bloom	Isaac and Betty
9	Willis Edward Carter	Thomas E. and Mabel R.
15	Mary Evelyn White	Allie J. and Mary W.
19	Priscilla Remington Booth	William H. and Ruth
23	Sidney Earl Streeter	Merton D. and Lena E.
23	George Ramie Burbine	J. Arthur and Sarah L.
21	Alma Carr Sias	J. Winthrop and Janie M.
Aug.		
3	Ralph Edwin Avery	Edwin H. and Lillian E.
3	Albert Damon Legg	Walter L. and Lillian
8	Earl Francis Rollins	Ernest E. and Ida May
9	Doris May Muse	Joseph and Mary
10	Mabel Gifford Estes	Frederick J. and Grace
14	John Carney	Bartholomew and Mary
15	John Clarence Muise	John S. and Estella M.
16	Mary Florence Lorgere	George and Mary E.
22	Rita Marie Peters	Joseph L. and Marie
22	Adaline Smith	James H. and Celia A.
26	Dorothy Erna Domin	Alfred W. and Charlotte A.
27	Charles Warren Jones, Jr.	Charles W. and Helen
29	Olive Lunny Wentworth	Roy L. and Pauline
Sept.		
4	Jacqueline Voute	Henry J. and Beulah
8	Althea E. Nelson	Raymond L. and Elizabeth F.
9	Phyllis May White	Thomas and Winnie B.
11	Howard Albert Mason	Ralph J. and Nellie F.
14	Harry J. Fisher, Jr.	Harry J. and Eliza J.
17	John Cullinane	Jeremiah J. and Annie C.
19	Rena Margaret Muise	John S. and Margaret M.
21		
21	Fred James Plimpton, Jr.	Fred J. and Susan
25	Robert Edward White	John E. and Edith Frances
Oct.		
1	Mary Christine Doucette	Frank A. and Mary C.
1	Roger Hewes Brown	Edward A. and Blanche V.
5	Katherine May Dow	Clarence L. and Joanna
6	Mary Lee Kingman	Leland W. and Genevieve

BIRTHS REGISTERED IN TOWN OF READING FOR YEAR 1919

Date	Name	Parents
Oct.		
9	Frances Agnes Doucette	David W. and Agnes C.
10	Pauline Elinor Glover	Alexander P. and Dorothy
11	Daniel Edward O'Keefe	Daniel J. and Bridgett M.
14	Robert Arthur Nickerson	Frank A. and Marjorie H.
19	Guy Edward Melanson	Wallace and Fannie
23	Olive Ordway	Orville O. and Edna
27	Myrtle Proctor Holt	Roy M. and Blanche
27	Helen Virginia Brennan	John G. and Sarah L.
30	Alice Janet Godfrey	Arthur G. and Florence A.
Nov.		
1	Muse	Peter and Mary
4	Jane Clara Zynewski	Michael J. and Mary C.
8	Beulah Louise Craigie	William E. and Beulah M.
9	Harold Hardy Frotten	Larry John and Laura E.
9	Inez Nadine MacPhail	George D. and Flora M.
9	Harold Hardy Frotten	Larry J. and Laura E.
10	Roger Calvin Mussells	George A. and Stella F.
10	Marie Veronica Sawyer	William W. and Mary A.
12	Albert Wright, Jr.	Albert S. and Katharine
12	Clarence Richard Maher	John T. and Mildred F.
14	Albion Shirley Rich, Jr.	Albion S. and Inez C.
15	Louise Stockton Robinson	Clark S. and Florence C.
15	George Martin Radulski	Martin and Lena
19	Olive Jeanette Rodgers	Clarence and Olive J.
21	Eleanor Virginia Olson	David E. and Ruth V.
21	Alice Campbell	William and Mary L.
25	Verna Irene Talbot	Stephen V. and Irena G.
27	Lawrence John Aresnault	John R. and Matilda
27	Ruth Hazel Boston	L. C. and Kittie B.
Dec.		
1	Emery Kenneth Gray	Robert G. and Bertha L.
6	Calvin Coolidge Bedley	Robert A. and Grace
9	Jean Scott Underhill	Percy H. and Lula
11	Jeanette S. Yunghans	Emil C. and Sarah E.
11	Eleanor Louise Yunghans	Charles B. and Hilden E.
25	Ruth Elizabeth White	John W. and Abbie M.

Whole number of births, 142. Males, 82; females, 60. Fathers born in U. S., 108; mothers born in U. S., 93. Fathers, foreign-born, 34; mothers foreign-born, 48.

OMISSIONS AND CORRECTIONS FOR OTHER YEARS

Date	Name	Parents
1918		
July 16	Frank Herbert Plympton, Jr.	Frank H. and Helen
Nov. 28	Harold George Luscomb	George H. and Florence A.
Dec. 21	Myrtle Isabelle Morrow	Robert J. and Elizabeth
1904		
Sept. 3	Ernest Stacy Lewis	Clarence G. and Maud E.
1902		
Dec. 28	Mamie Ellen Clements	Thomas and Emma
1883		
Nov. 17	Ralph Leslie Mears	William H. and Mamie M.
1898		
Oct. 19	Margaret Theresa Carney	William and Margaret
1912		
	Richard Nerice Markham	Everett N. and Lottie M.

MARRIAGES REGISTERED IN READING FOR THE YEAR 1919

Date	Names	Age	Occupation	Residence
Jan.				
1	Joseph T. Doucette	53	Iceman	Wakefield
	Philomena Peterson	50	Housework	Reading
25	James Matthew Gibbons	21	Conductor	Reading
	Katherine May Gilpatrick	18	Millhand	Melrose
Feb.				
1	John Storti	24	Chauffeur	Reading
	Edna Brooks	21	None	Reading
1	John Henry Frotton	30	Rubber Business	Reading
	Marie Helen Hubbard	21	None	Nova Scotia
4	John E. Thompson	55	Lodging House	Stoneham
	Blanche E. Pratt	55	Boarding House	Stoneham
16	Daniel J. Lehan	56	Gateman	Reading
	Margaret Shauenessy	42	Domestic	Reading
19	Hugh Leonard Eames	29	Lieut. Fire Dept.	Reading
	Annie Whitney Hussey	31	Bookkeeper	Berwick, Me.
Mar.				
5	Herschel Brandon Rich	51	Shipping Clerk	Reading
	Clara Buskart	37	Nurse	Reading
7	Malcolm Carter Davis	21	Scout Executive	Reading
	Blanche Elizabeth Rich	22	Stenographer	Reading
14	George Rex McVicker	19	Machinist Helper	Reading
	Loleta Pritchard	15	None	Reading
18	Joseph Shipkins	49	Carpenter	Reading
	Isabella Jane Grant	49	Housekeeper	Reading
29	Sidney Ernest Toovey	34	Bookkeeper	Somerville
	Georgie F. Musgrave	24	At Home	Reading
Apr.				
18	Charles D. Kissock	31	Manufacturer	Reading
	Agnes I. Parker	33	Teacher	Reading
20	Richard L. Holden	21	Teacher	Lawrence
	Marjorie N. Upham	26	Private Sec'y	New York City
22	Geo. William Richardson	24	Organ Pipe Maker	Reading
	Violet Mabel Irwin	20	Bookkeeper	Arlington
27	Austin F. Bennett	23	Rubber Worker	Reading
	Mary M. Kennedy	21	Bookkeeper	Reading

MARRIAGES REGISTERED IN READING FOR THE YEAR 1919

Date	Names	Age	Occupation	Residence
May				
3	Carl Otto Runge	21	Laborer	Reading
	Dorothy Frances Shattuck	18	Operator	Reading
22	George Farrar Fowler	17	Machinist	Reading
	Bertha Helen Davy	18	Cashier	Dorchester
June				
1	Frederick Alton Field	33	Chauffeur	Reading
	Lydia Elizabeth Youmis	23	At Home	Wilmington
1	Jeffrey Doucette	28	Millhand	Reading
	Catherine LeFave	18	Housework	Reading
1	Grafton E. Wentworth	23	Clerk	Roxbury
	Marion L. Flint	26	Clerk	Reading
4	Clarence C. Cummings	27	Fireman	Reading
	Gladys Pearl Macdonald	19	None	Newport, Vt.
7	Raymond Sebert Willett	28	Teacher	Morley, Mich.
	Ada Belle Stone	20	Milliner	Reading
18	J. Peter Muse	25	Rubber Worker	Reading
	Mary Winnifred Arsenault	22	Shoe Worker	Reading
18	Wendell Bancroft Newell	22	Merchant	Reading
	Mary Catherine Lindsay	22	Bookkeeper	Melrose
19	Charles E. Thain	35	Poultry Business	Lynn
	Mary E. Gallant	38	Bookkeeper	Lynn
23	Lorne Argyle Sullivan	42	Chef	Reading
	Louise Mary Bowie	24	At Home	Reading
23	Guy Edward Rich	24	Clerk	Reading
	Mildred Josephine Barrett	23	Clerk	Reading
25	Ray E. Littlefield	37	Manufacturer	Winthrop
	Marojrie O. Symmes	26	Teacher	Reading
27	Alfred Glidden Kitfield	26	Salesman	Manchester, Mass.
	Dorothy Merrill Carlisle	28	Teacher	Reading
27	Edward B. Eames	62	Lumber	Reading
	Winifred Emerson	48	Teacher	Reading
30	Thomas Davis Bond	32	Manager	Reading
	Frances Whitefield Capen	30	At Home	Reading
July				
6	George Muse	23	Reading Rubber	Reading
	Lizzie Surrette	27	Housework	Reading
9	Nelson Atwood Remick	24	Merchant	Reading
	Emily Searway	24	Teacher	Reading
15	George Herbert Adams	48	Farmer	Reading
	Annie Fedora Carroll	38	Clerk	Framingham

MARRIAGES REGISTERED IN READING FOR THE YEAR 1919

Date	Names	Age	Occupation	Residence
19	Forest Hardy Bryant	25	Clerk	Hudson
	Edith Mabel Parks	24	Stenographer	Reading
16	Arthur Leslie Gray	26	Chauffeur	Reading
	Mildred Jaquith	20	Stenographer	Reading
22	Ernest Freeman Dimock	35	Trainman	Reading
	Ada Agnes Neve	35	Housekeeper	Somerville
24	Fred Forrest Hubble	21	Sailor	Carlisle, Ind.
	Aletha Leona Simpson	18	At Home	Reading
25	Herbert E. Knapp	40	Supt. Construction	Reading
	Geneva Mae Elwell	28	Housekeeper	Reading
Aug.				
2	Harry Augustine White	26	Clerk	Reading
	Minnie Constance Loux	26	Teacher	Providence, R. I.
4	Chester Randall King	26	Salesman	Reading
	Almira Eunice Whitehouse	25	Dressmaker	Reading
9	Herbert F. Cheever	27	Blacksmith	No. Reading
	Myrtle B. Tarbox	17	Stitcher	No. Reading
10	Julius K. Wilton	26	Machinist	Reading
	Eva A. Gathier	19	Millhand	Reading
14	Arthur Kenney Lowell	31	Salesman	Reading
	Bessie Edith Brigham	28	Teacher	Norwich, Vt.
21	Edmund S. Blier	31	Mechanic	Reading
	Elizabeth Kelley	26	Dressmaker	Wakefield
30	Clayton H. Prouty	26	Salesman	Lynn
	Rebecca H. Rosen	25	Nurse	Hartford, Ct.
31	Francis Wrenn	26	Foreman	Reading
	Lucy Madeline McDavitt	24	Stenographer	Reading
Sept.				
1	Gardner George Gill	25	Salesman	So. Boston
	Ethel May Smith	24	At Home	Reading
1	Lester Campbell Cockburn	21	Mechanic	Milford, N. H.
	Frances Eliz'b'th Bohanan	23	At Home	Milford, N. H.
4	Frank R. Fisher	29	Motorman	Reading
	Edith May Whittle	21	Clerk	Wakefield
7	James Henry Lawler	24	R. R. Employee	Greenfield
	Elizabeth Cecele Riley	25	Tel. Operator	Reading
9	John C. Gonnam	31	Salesman	Reading
	Marion P. Davis	31	Stenographer	Salem, N. H.
10	Everett Harrison Hall	54	Decorator	Reading
	Eva Ruth Barton	45	Teacher	Stoneham

MARRIAGES REGISTERED IN READING FOR THE YEAR 1919

Date	Names	Age	Occupation	Residence
Sept.				
13	Harry Arthur Griffith	22	Mechanic	Wakefield
	Dorothy May Ambler	21	None	Reading
20	Otto Wm. Christiansen	21	Millhand	Reading
	Sarah Emma Willor	19	Tel. Operator	Revere
21	Elmer Dexter Jones	38	Embosser	Reading
	Flora S. Eaton	26	Stenographer	Reading
27	Donald N. Tuttle	21	Brakeman	Reading
	Gladys Elizabeth Blake	21	At Home	Revere
27	Arlo Waldemar Urlass	25	Clerk	Jamaica Plain
	Beatrice Mae Beaty	25	Stenographer	Reading
Oct.				
4	George Raymond Moses	29	Salesman	Reading
	Edith Alice Hughes	29	Musician	Providence, R. I.
4	James F. Eaton	23	Shoe Worker	No. Reading
	Luella V. Orben	18	At Home	No. Reading
4	Merle W. Farr	23	Florist	Reading
	Edna M. Green	20	Record Clerk	Stoneham
11	Hugh Fletcher	48	Machinist	Framingham
	Blanche L. Kingman	38	Store Manager	Framingham
12	Clifford Warren Day	21	Salesman	Westboro
	Dorothy S. Southwick	18	None	Reading
12	Daniel Joseph Barrett	29	Moulder	Taunton
	Helen Frances Weafer	27	Stenographer	Reading
13	Horace Weston Fellows	27	Civil Engineer	Reading
	Abbie Elizabeth Lewis	28	Stenographer	Hyde Park
15	Clyde K. Horton	26	Accountant	Reading
	Grace J. O'Kelly	20	None	Reading
15	Richard Eastman Cobb	23	Salesman	Arlington
	Vera Young	25	Private Secretary	Reading
21	Russell Armstrong Flint	26	Banker	Reading
	Bernice Grace Studley	22	None	Reading
25	Marc S. Wright	29	Shoe Mfr.	Reading
	Frances Knox Davis	25	Social Worker	Brookline
26	Abel J. Doucette	21	Steam Fitter	Reading
	Margaret Moulasong	18	Shoe Worker	Reading
28	Leonard G. Nichols	32	Ice Dealer	Reading
	Mary Gertrude Turner	25	None	Reading
Nov.				
8	Aaron Frank Pritchard	18	Iron Worker	Reading
	Violet Helen Perry	18	At Home	Reading

MARRIAGES REGISTERED IN READING FOR THE YEAR 1919

Date	Names	Age	Occupation	Residence
Nov.				
9	Albert James Doucette	24	Electrician	Reading
	Anna Catherine Doucette	21	At Home	Malden
9	Duncan Luther Hilchy	27	Clerk	Boston
	Harriett Dorothy Turner	23	Clerk	Reading
9	Peter J. Burbine	25	Carpenter	Reading
	Rose Anna Gauthier	18	Rubber Worker	Reading
10	Elmer Davis	29	Trav. Salesman	Reading
	Viola S. Fiske	22	Saleslady	Manchester, N. H.
11	Philip Henry Tirrell	49	Bond Salesman	Somerville
	Helen Ara Parker	42	None	Reading
15	William Hatfield	34	Fisherman	Reading
	Edna White	19	At Home	Reading
19	Benjamin W. Gonnam	61	Salesman	Lawrence
	Etta May Doyle	31	Bookkeeper	Reading
22	George Warren Peavey	31	Plumber	Everett
	Mildred Eliz'b'th Campbell	27	Stenographer	Reading
22	Edward Thomas Kennedy	30	Instructor	New York, N. Y.
	Dorothy Bond	23	At Home	Reading
23	Martin Turner	46	Rubber Worker	Reading
	Winnie Mullaney	32	Housework	Reading
24	Ambrose Muse	23	Millhand	Reading
	Vera Foster	21	Housework	Reading
26	John Hervie Muse	25	Clerk	Reading
	Mary Louise LeFave	21	Operator	Reading
26	Joseph Donahue	20	Leather Worker	Woburn
	Irene Halloran	18	Salesgirl	Reading
28	Leslie Wm. Patterson	24	Shoemaker	Cambridge
	Dorothy B. Skillen	23	Stenographer	Cambridge
29	Hamilton Allport	28	Cream. Op.	St. Johnsbury Vt.
	Gile Davies	24	None	Reading
Dec.				
9	Adolph Zitzow	28	Auto Mechanic	Boston
	Mary C. Carney	26	Clerk	Reading
16	Frank L. Collins	28	Physician	Rowley
	Hilda M. Reeves	24	At Home	Reading
25	Edwin Badger Greenyer	19	Bookkeeper	Reading
	Leona Mae Merriman	22	Clerk	Malden

Whole number of marriages, 90. Native-born males, 72; native-born females, 74. Foreign-born males, 18; foreigin-born females, 16.

DEATHS REGISTERED IN TOWN OF READING FOR YEAR 1919

Date	Name	Y	M	D	Cause of Death
Jan.					
1	Robert S. Henfield	78	0	0	Pneumonia
2	Clara Ball Smith	56	8	10	Hemorrhage
3	Warren J. Phillips	31	11	16	Pneumonia
5	Jessie N. Poland	29	8	12	Pneumonia
6	Margaret Lewis	38	10	0	Pneumonia
7					
9	Celia A. Dennison	73	7	22	Apoplexy
10	John V. Young	56	10	6	Ruptured Blood Vessel
13	Edward B. Tibbetts	83	0	28	Heart Disease
18	Daisy Mabel Wall	41	4	24	Pneumonia
20	Margaret Allen	55	2	15	Nephritis
Feb.					
5	Calista A. Lander	60	6	25	Pneumonia
7	Genevieve Seero	7	0	23	Meningitis
8	David J. Whelton	42	0	5	Diabetes
10	Mary A. Lovejoy	91	8	7	Intestinal Obstruction
15	Robert Jones	67	6	0	Dilation of Heart
22	Esther M. Heselton	0	6	15	Indigestion
27	William White	28	0	0	Pneumonia
28	Ann A. Gonnam	26	6	0	Pneumonia
Mar.					
17	Charles E. Classon	59	4	21	Myocarditis
18	Philip Earle Mayne	0	2	19	Encephalitis
19	William Briggs Bement	75	7	13	Myocarditis
20	Elizabeth A. Lowell	78	10	20	Heart Disease
24	Fred R. Smith	49	4	16	Carcinoma
24	Emma C. Weston	78	8	6	Myocarditis
25	Abbie I. Nesmith	25	9	5	Pneumonia
28	Caroline Putnam	63	10	23	Myocarditis
29	Mabel G. Wells	49	4	17	Phthisis
Apr.					
8	Henry N. Clark	65	0	0	Hypertrophied Gland
8	Mary Desmond	78	6	0	Pneumonia
12	Florence C. Granfield	38	6	19	Epilepsy
12	Levi Bradford Newhall	81	5	16	Pneumonia
23	Pinney Mary Foley	77	0	0	Heart Disease
24	John J. Bradish	88	9	20	Arterio Sclerosis

DEATHS REGISTERED IN TOWN OF READING FOR YEAR 1919

Date	Name	Y	M	D	Cause of Death
May					
2	Josephine A. Durgin	66	8	23	Hemorrhage
4	Alice M. Murphy	69	1	29	Myocarditis
5	Chester R. Whittier	34	5	13	Pneumonia
9	Jennie A. Baxter	72	4	4	Cancer
13	Abigail C. Spokesfield	92	6	21	Old Age
16	Jennie Rita Clements	0	3	0	Heart Disease
19	Edmund Buxton	89	7	2	Carcinoma
20	John Martin Flaherty	53	9	21	Tuberculosis
21	Annie T. Millbury	79	2	11	Tumor
25					
June					
4	Ann E. Hatfield	70	9	11	Hemorrhage
9	Thomas E. Riley	57	6	9	Carcinoma
12	Sarah Mulhall	49	0	0	Myocarditis
12	John L. White	72	8	16	Tuberculosis
16	Parker Nichols	80	2	9	Hemorrhage
18	Nadine Lois Johnson	0	2	22	Hemorrhage
29	Elias S. Van Arsdale	79	10	8	Myocarditis
July					
1	William J. Twort	73	1	3	Hemorrhage
2	Lucy A. Collins	70	0	20	Carcinoma
9	William C. Buck	55	4	14	Appendicitis
16	Joseph E. Doucette	0	4	0	Mastoiditis
30	Henry Harnden	81	10	5	Arterio Sclerosis
Aug.					
6	Joseph H. Brown	69	7	0	Heart Disease
12	Edward A. Fellows	70	9	28	Hemorrhage
14	Robert L. Buck	21	3	21	Appendicitis
15	Ellen H. Buxton	92	2	28	Old Age
17	Annie L. Adams	61	5	12	Sarcoma
23	Ida Frances Bumpus	65	1	2	Arterio Sclerosis
25	Bessie Walker	63	5	12	Myocarditis
Sept.					
2	Albert Green	79	1	5	Myocarditis
8	Emma L. Bowker	55	0	3	Carcinoma
13	Inez Cook	28	3	17	Epilepsy
19	Edna Rose McDavitt	34	11	0	Nephritis

DEATHS REGISTERED IN TOWN OF READING FOR YEAR 1919

Date	Name	Y	M	D	Cause of Death
26	Beverly Hill	0	10	10	Enteritis
26	Eben W. Roberts	25	3	8	Hemorrhage
27	John W. Clough	68	1	13	R.R. Accident
28	Sara R. Wilkins	75	1	0	Hemorrhage
Oct.					
6	Arthur F. Morrison	71	1	18	Arterio Sclerosis
7	Charles Tufts Robinson	84	8	21	Septic Infection
9	Adelia A. Hasell	83	5	29	Heart Disease
18	Elijah F. Ingraham	57	0	0	Heart Disease
22	Louise Merrill	3	0	14	Diphtheria
28					
31	Lucinda R. Smith	89	5	3	Senile Decay
Nov.					
1	Thomas Turner	56	6	0	Tuberculosis
5	Harriett S. Chamberlain	63	0	0	Heart Disease
6	Albert J. Bancroft	71	11	12	Carcinoma
6	Althea E. Nelson	0	1	28	Pertussis
9	David McCrum	68	0	24	Pneumonia
10	Susan Frances Colburn	72	5	28	Hemorrhage
16	Simeon O. Poliquin	67	11	0	Nephritis
18	Martha H. A. Brown	76	2	7	Myocarditis
19	Clarence A. Dow	25	1	29	Tuberculosis
21	Thankful H. Stanley	64	7	17	Carcinoma
22	Edwin B. Kimball	73	8	17	Automobile Accident
22	Ellen Dingle	69	10	28	Myocarditis
24	Katherine H. Cooper	56	8	3	Myocarditis
25	James Henry Richardson	64	1	17	Pneumonia
Dec.					
13	John M. Doucette	82	0	0	Endocarditis
13	Mary E. Hanscomb	51	1	28	Nephritis
18	Harold G. Morris	1	0	5	Convulsions
23	Albert M. Ricker	76	10	17	Pneumonia
30	Miller Nichols Foster	71	2	8	Myocarditis

Total number of deaths, 97. Males, 48; Females, 49 Born in United States: Males, 36; females, 41. Foreign-born: Males, 12; females, 8.

REPORT OF SELECTMEN

To the Citizens of Reading:

We are proud to include in our report a list of

READING'S WORLD WAR HEROES

The Town may well feel proud of the service they rendered.

J. EDWARD FROST
WILLIAM S. KINSLEY
EDWIN L. HUTCHINSON

In Memoriam

BRITTAIN, WILLIAM S., JR.

BUCK, ROBERT L.

COOMBS, CARL L.

CUMMINGS, TIMOTHY EDWARD

EATON, CLARENCE SAWYER

HAINES, EDWARD J.

HARSTHORN, CHESTER GOULD

HILL, STANWOOD ELLIOTT

LEACH, ERNEST H.

MEUSE, THOMAS EDWARD

MOREY, RALPH E.

RILEY, WILLIAM A.

WALSH, EDWARD

WHITE, WILLIAM ALBERT

"THEY GAVE THEIR ALL"

Reading's World War Heroes

*Died in service

Abbott, George W.
Abbott, Henry K.
Ainsworth, Richard H.
Akerly, Elmer C.
Allen, Gordon H.
Ambler, Arley A.
Austin, Irving C.
Anderson, John L.
Atkinson, Edward P.
Alger, James W.
Ames, Albert B.
Ambler, Martin H.
Anderson, H. Everett
Andrews, Howard A.
Arsenault, Peter J.

Baldwin, Arthur G.
Barr, Robert J.
Batchelder, Harold W.
Bennett, Austin F.
Benton, Albion M.
Blethen, Henry S.
Borthwick, Arthur H.
Bosson, George C.
Bowman, Richard J.
Bradley, Henry J.
*Brittain, William S. Jr.
Brooks, Arthur E.
Brooks, George C.
Brooks, Norman C.
Brown, Chester W.
Brown, Clarence L.
Bryant, Forest H.
Buck, Lawrence H.
*Buck, Robert L.
Babcock, Ernest G.
Babcock, Harold J.
Butler, Norman L.
Burnham, William L.
Burke, John H.
Bowley, Edward H.
Boardman, Harold H.
Bisbee, George H.
Beacham, Herbert M.
Barrett, Richard
Barnes, George S.
Badger, Clarence I.

Canty, Charles A.
Carnes, Harold A.
Cail, Wilbur S.
Canty, Paul C.
Carney, John J.
Castine, Simon A.
Chapman, George D.
Charles, Norman P.
Charles, Avery W.
Connelly, William A.
Cummings, Paul J.
Currell, Harold B.
Caldwell, Byron P.
Campbell, William F.
Canty, Timothy A.
Card, George M.
Carr, Fred T.
Castine, William F.
Chapman, Harold W.
Charles, Warren F.
Charlton, Charles W.
Christianson, Otto W.
Christianson, Percy E.
Christianson, Rolf L.
Clements, Joseph R.
Cobb, Richard E.

Cummings, Clarence C.
Cummings, John F.
Curiston, Charles R.
*Cummings, Timothy E.
*Coombs, Carl L.

Davis, Elmer
Damon, Philip A.
Dacey, Cornelius J.
Dane, Albert K.
Dane, John C.
Davis, Harold F.
Davis, Charles E.
Davis, Louis
Davis, Russell W.
Davis, Samuel H.
Dearborn, Walter A.
Dennison, Robert A.
Dickey, Hazen G.
Dodge, Harry L.
Doran, Daniel F.
Doucette, Albert J.
Doucette, Albert James
Doucette, Arthur L.
Doucette, Frank E.
Downing, Willard C.
Dulong, George E.
Dulong, Joseph W.
Dulong, William A.
Doucette, Louis S.
Dow, George F.
Doucette, Arthur J.
Danforth, Harold E.
Davis, Malcolm C.
DeMerritt, Robert E.
Desmond, Daniel J.
Dulong, Frank E.

Eames, Forrest B.
Eames, Harlan D.
Ellison, Arthur N.
Emery, Elmer L.
Evans, John S.
Edmondson, George E.
Ells, Alfred W.
Ells, Fred W.

Enerick, J. Paul
Esterberg, Herbert L.
Estes, Cyrus
*Eaton, Clarence Sawyer

Ferrick, John J.
Field, Edwin F.
Flint, Russell A.
Forbes, Frank D.
Forbes, George P.
Forbes, Malcolm
Fowler, Fred K.
Frotten, John R.
Frotten, William H.
Fuller, Albert S.
Felton, George E.
Fowle, Herbert L.
Field, Charles H.
Farpelia, Joseph J.
Frotten, Benjamin L.
Freeman, Wallace E.
Fowler, George F.
Florence, Earl E.
Fellows, Horace W.

Galvin, Gerald J.
Geary, James L.
Gerard, Stanley R.
Geary, Paul S.
Gleason, Clement T.
Granfield, John J.
Granfield, Maurice F.
Goodridge, Carl
Goodridge, George
Gaffney, John E.
Gonnam, Harold E.
Gibbons, Lawrence
Gibbons, Norman
Glover, Perry A.
Gonnam, John C.
Goodridge, Harold S.
Graff, Leland S.
Grant, Ethel E.
Gray, Freeman M.
Gray, Robert A.

*Haines, Edward J.
Hale Albert F.

Halloran, Martin J.
Hazlewood, Sumner
Herbolzheimer, Harry W.
Heselton, Arthur W.
Heselton, Leslie R.
Heselton, Robert M.
Hildreth, Donald U.
Hill, Charles H.
Hill, Harold L.
Hobby, Harry R.
Hodgdon, Carl A.
Horovitz, Max G.
Hunt, Edgar N.
Hutchinson, Earl L.
Hutchinson, Leroy C.
Hill, William H.
Hill, Charles A.
Hall, William H.
Hickey, George T.
Hickey, William J.
Hill, Lester D.
Hines, Fred C.
Hook, Homer W.
Hopkins, Warren D.
Howard, Charles P.
Howes, Ellsworth B.
Hudson, Albert L.
Hunter, Alice G.
Hutchinson, Lester B.
Hynes, E. J.
*Hill, Stanwood E.
*Hartshorn, Chester G.

Jewett, Henry H.
Johnson, Herbert
Johnson, Francis
Jordan, Patrick F.
Judkins, Perley O.

Keene, Edward B.
Kennard, Dimond
Kearney, Harry M.
Kershaw, Warren R.
Killam, Phineas S.

Lane, Melvin C.
Lee, William H.
LeFave, John H.
Livingstone, William R.
Long, Patrick J.
Lumsden, Blinn
Lumsden, R. Bruce
Lyons, Thomas J.
LeFave, Albine A.
Long, Henry
Loring, John A.
Lowell, Arthur K.
*Leach, Ernest H.

MacLellan, Harry R.
MacLeod, Herbert W.
McCaughey, Irving W.
McDonald, Leon F.
McKay, Raymond J.
McKenney, Frank L.
McLeod, August
McNeil, Hugh J.
Maguire, John F.
Marchetti, Frank F.
Maxwell, Albert C.
Maxwell, James I.
Mellen, Ernest E.
Merrill, Ashley L.
Michelini, Arthur
Middleton, Charles H.
Moore, Henry E.
Morse, Donald H.
Moses, George R.
Murray, Thomas J.
Murdock, Malcolm W.
Muse, Hervie
Martin, David
McDavitt, Alfred A.
McDavitt, Daniel G.
McHale, Martin J.
McKenna, Robert
Melonson, Fred P.
Meuse, Andrew
Meuse, Frederick A.
*Meuse, Thomas Edward
Meuse, Melvin H.
Malarkey, Thomas J.
*Morey, Ralph E.

Morrison, William E.
Murray, John
Murray, Fred F.

Newell, Wendell G.
Nichols, Clifton S.
Nowell, Foster
Nichols, Chester L.
Newhall, Howard D.
Nichols, Roy R.

O'Brien, William F.
O'Donnell, Michael
Ordway, Earl B.
O'Connell, Walter E.
O'Connor, William
Oliver, Arthur G.
Olmstead, Robert S.

Pratt, Lyman E.
Pratt, Wilfred E.
Putnam, Chester A.
Painting, Samuel
Page, Edward
Parker, Elmer F.
Parker, Lawrence H.
Parsons, Melvin L.
Patrick, Herbert L.
Pendergrace, Frederick G.
Peters, Joseph B.
Perry, Gardner A.
Pinkham, Carl W.
Poland, Foster C.
Porter, James W.
Pratt, Lester K.
Pendergrace, Albion R.
Park, James A.
Parkins, William J.
Parks, Harry F.
Parmelee, Albert
Pendergrace, Emil F.
Parker, Henry B.
Perry, John A.
Peters, Lawrence
Pinneault, H. P.
Pippin, Eyra

Quinlan, Francis S.
Quinlan, John J.
Quinlan, Thomas E.

Rogers, Clarence C.
Ramsay, Donald
Ramsay, John A.
Rich, Charles H.
Rich, Guy E.
Richardson, Elmer H.
Richardson, George W.
Richmond, Ernest
Riley, John J.
Riley, Thomas E.
Robertson, Herbert L.
Robinson, Howard B.
Rowell, Walter L.
Ruggles, Gould B.
Ruggles, Otis B.
Rodden, William H.
Ricker, George V.
Reid, Harold H.
Reed, Harold
Regan, Arthur W.
Reeves, Norman
Richardson, Gordon D.
Richardson, Robert H.
Reissle, Fred L.
Riley, Harry
Riley, James F.
Robinson, Donald C.
Robinson, Gerald C.
Rogers, George
*Riley, William A.

Stevens, Harry
Sawyer, Frank A.
Saunders, Wendell M.
Sawyer, Harry L.
Shepardson, Robert B.
Shepardson, Robert W.
Shepardson, Rowland R.
Sherman, Erville B.
Slack, Francis T.
Slack, William E.
Smith Guy L.
Smith, Harry E.

Springford, Frederick L.
Staples, Malcolm L.
Steele, Amos A.
Stembridge, Alfred R.
Stembridge, Stanley R.
Stevens, Donald B.
Stevens, Eugene L.
Stokes, Clifton H.
Stratton, Charles P.
Sullivan, Daniel L.
Symmes, Willard
Scanlon, Daniel T.
Smith, Loris J.
Sherman, Herbert
Spavin, Edward M.
Sweetser, Walter I.
Surrette, Lovett P.
Stockwell, Philip J.
Stevens, Marion C.
Stevens, Chesley G.
Stafford, Fred S.
Smith, Raymond T.
Steadman, Russell
Smith, Albert J.
Simonds, Clyde M.
Seward, Carroll G.
Seaman, Frank T.
Sylvester, Wilfred B.

Tasney, Charles E.
Thomas, Clarence L.
Thompson, John E.
Thornton, John F.
Townsend, Harland A.
Turner Owen F.
Turner, John E.
Thomas, Percy E.
Thorburn, George E.

*Thorn, Jesse P.
Treamer, Harold W.
Tuttle, A. Norman

Underwood, William T. W.

Villiers, Isabella

Wall, John T.
Wall, Thomas E.
Webb, William P.
Whitaker, Robert L.
Whitchurch, Louis E.
White, Melvin A.
Whitney, Glenn E.
Whitton, James F.
Wilcox, Loring F.
*Walsh, Edward
Williams, Harold V.
Wilson, Ralph E.
Wadsworth, George F.
Walsh, Albert H.
Walsh, Frank I.
Waters, James C.
Wheeler, Bertha L.
White, George A.
White, Harold E.
White, Harry A.
White, Irving J.
Whittier, Irving M.
*White, William Albert
Whittier, Sumner C.
Williams, George B.
Walsh, Joseph P.

Yates, John L.

Zyniewski, Antonio
Zanni, Julio
Zanni, Antonio

The present Board, during the past year, departed somewhat from the customary method of handling the work, aiming at better service and more efficiency. We felt that by dividing the responsibilities, each member overseeing his particular departments, better results could be obtained. Accordingly we divided the work as follows: Mr. Frost handled the Fire Department and the Town Buildings; Mr. Kinsley supervised the Highway Department; Mr. Hutchinson had the overseeing of the Police and Moth Departments.

This method worked out wonderfully well, and we urgently recommend that it be followed in the future.

FIRE DEPARTMENT

This department is one of which the town may well be proud.

Under the leadership of Chief Orville O. Ordway, our fire department is in our opinion far ahead of any town the size of Reading for miles around.

During the past year we have done away with the last horse-drawn apparatus at Hose 2, Woburn Street, replacing it with a combination hose and chemical truck.

We were unable to complete the alterations on Hose 2 house with the money appropriated, and the work must be finished to comply with the law.

We wish also to call attention to the condition of the Central Fire Station. Many minor repairs are needed and we recommend the work be done the coming year.

FINANCES

There has been a net decrease in the Town Debt for the fiscal year of $2,800.00.

Notes and bonds paid in 1919		$ 44,300.00
Loans made in 1919:		
Municipal Light	$ 35,000.00	
Municipal Light Emergency Loan ..	6,500.00	$ 41,500.00
Net decrease		2,800.00
Town Debt, Dec. 31, 1918	509,000.00	
Town Debt. Dec. 31, 1919	506,200.00	
		2,800.00

The amount necessary to raise by taxation for notes and bonds maturing in 1920 is $26,200, a decrease of $1,100 over 1919.

Maturing in 1920		53,000.00
Less amounts to be paid:		
Water Department	3,000.00	
Municipal Light Department	24,800.00	27,800.00
		$ 25,200.00
Amount raised in 1919		26,300.00
Amount to be raised in 1920		25,200.00
Decrease		1,100.00

The amount of revenue estimated in 1919 to apply on the Tax Levy was $47,343.20. The amount received was $48,000.35.

TAX COLLECTIONS

Total amount of the Commitment to to the Tax Collector in 1919 and 1918 is as follows:

	1918	1919
Town purposes	$206,947.46	$245,262.34
State and County Taxes	44,741.65	46,027.42
Total	251,689.11	291,289.76
Less estimated income	45,704.80	47,343.20
Total commitment	205,984.31	243,946.56
		205,984.31
Increase over 1918		37,962.25
Valuation	8,082,434.00	8,164,234.00
		8,082,434 00
Increase		81,800.00

Of the total tax commitment of 1919 of $243,946.56 there was collected up to the close of the fiscal year, 67¾ %. We consider this a wonderful showing, and wish at this time to congratulate Mrs. Viall upon the very efficient manner in which she has conducted the office during the illness of Mr. Viall, who has our best wishes for a speedy recovery.

HIGHWAY DEPARTMENT

When the Spring season opened the highways were in very bad shape, owing largely to the fact that for the two previous years it was almost impossible to get material. After considering the matter

thoroughly we decided that the only way to do good work was to purchase the necessary equipment and material.

There had been provided $500 to buy a scarifier, but this was insufficient for the one best adapted to the needs. We, therefore, took $500 from the maintenance account and bought the one now in use. It more than met our expectations. The work on Salem Street alone more than paid for it. Dump carts are a slow process in handling material, so we discarded them and purchased a truck, and from actual work done it has proved that it will do more than six double teams and at much less cost.

The gravel pits, available in Reading, had been pretty well depleted, so it became necessary to open up a new one. We bought a very good pit on Willow Street, covering about 32,000 square feet, and which will last for a number of years. It will then be available for house lots.

We gave considerable thought to sidewalks and decided that we could put in granolithic sidewalks at a cost very little in advance of the price for concrete, and we purchased a cement mixer for the purpose.

We would have made several hundred square yards of this kind of walks but were unable to on account of the rain, which was almost continuous after September first and until the ground froze up.

We made arrangements with the School Committee to take over the old John Street schoolhouse for use of the Highway Department, and we now have headquarters ample to house all the equipment for a good many years. It is well lighted and heated and there is installed machinery enough to do all repair work. As soon as the building is painted and the grounds graded, the Town will have a place that it may well feel proud of.

We installed the stone crusher in the gravel pit this Spring after an idleness of two years and it is a great asset to the Town. If it had been possible to obtain crushed rock, we should have finished West Street and made a beginning on Prospect Street, going as far as the appropriation would have allowed. Salem Street has been rebuilt from the Wakefield line to the entrance of Memorial Park, at a cost much under the estimate, this being possible, as above stated, by having the scarifier.

There has been built new macadam on the hill extending from Main Street to the intersection of Harnden, on Lowell Street from Woburn to Middlesex Avenue, and on Main Street from Washington Street to the Railroad Crossing, including the crossing at Ash Street. The new macadam has been carried from curb to curb, and not eighteen feet width as formerly. It not only makes a much better appearance, but saves the roadbed, as the water is kept from seaping under the surface.

We were able to put in very good shape several of the principal gravel streets, although very late in starting, including Summer Avenue from Mineral to Mayall Park, Prescott Street from Perkins Avenue to Pratt Street, and from Washington Street to the Depot, Lincoln Street from Woburn Street to Minot, Minot from the Railroad to Main Street, Washington from Prescott Street to Minot, Ash Street from Electric Light Station to Wakefield line, Grove from Franklin to Lowell, High from Lowell to Middlesex Avenue, Salem from Memorial Park to Harnden Street, Harnden from Salem to the Square, Salem Street from Lowell to Main, Woburn from the Square to Railroad, Gould from Ash to Haven Street, and Haverhill from Franklin to North Reading line. These roads were kept in very good condition until Fall and then the rainy spell was disastrous.

Reading Square has been scarified and laid down three different times. We have made extensive fills on the lower end of John Street and also on Brook Street. We have also made about five hundred running feet of new sidewalks.

The money appropriated for concrete sidewalks was expended on resurfacing the older walks, which were sadly in need of attention.

We have had the old barn, in rear of Fire Headquarters, torn down, it being of no further use, and it had been an eye-sore for a great many years.

We wish to publicly thank the employees of the Highway Department for the very loyal support given, as it would have been impossible without it, even with the new equipment, to accomplish the amount of work done.

LOOKING FORWARD

Reading Square is in very bad shape owing to conditions that could not be helped. Now that the sewers are in, it is time something was done and the only way is to do it right. Practically the whole Square, from Woburn Street to Willis's Corner, is underlaid with a sandy clay on which macadam cannot be laid, and it will be impossible to do anything permanent without the outlay of a considerable amount of money.

The main thoroughfares should also be macadamed. There is great need of street drainage, as this is largely responsible for the poor condition of most of our streets.

To meet these conditions, and not have them continue indefinitely, we recommend a bond issue of $125,000, the bonds running for a number of years. In this way we can have our Square made right and our main thoroughfares macadamed and street drainage laid. We can then have the benefit of these improvements immediately and pay for them in such a manner that it will not be a burden

on the Town. This work should be let out to contractors, as the town force, with its regular work, would be unable to handle so large an undertaking.

The Square will have to be dug out at least eighteen inches deep, filled with gravel and then surfaced. We would recommend that the surface of the Square be treated the same as North Main Street, as this is practically noiseless and absolutely dustless, and after once laid would, with an occasional dressing, last for years. If laid with paving it would be more expensive and would yearly cost considerable money to keep it sprinkled.

We also recommend the purchase of one more dump truck. With it the Highway Department would be equipped in first-class condition.

POLICE DEPARTMENT

The past year has been the busiest in the history of the department. Your attention is directed to the detailed report of the Chief.

The policing of the State Highway which runs through Reading Square is becoming a serious problem for the Town. With the constantly increasing automobile traffic it is and will continue to be a large share of the activity and expense of the department.

There have been installed four police signal boxes in the business centre which insures a regular patrol of this district during the entire night. It makes for extra protection and security and is a valuable safeguard against fire. This system should be extended this year with the addition of two more of these boxes.

The force has been increased by the addition of one more patrolman as voted by the town. Frank T. Slack was appointed in September from list furnished by the Mass. Civil Service Commission. We also in October appointed Timothy J. Cullinane a regular patrolman from list furnished by the above commission to fill a vacancy in the department.

The police officers should be paid more money and we are asking for $5.00 per day for the patrolmen and $6.00 for the Chief.

CONCLUSION

We thank the various boards of the Town and Town Officers for their co-operation with us during the past year, and acknowledge the courtesies which they have extended to us.

J. EDWARD FROST
WILLIAM S. KINSLEY
EDWIN L. HUTCHINSON
Selectmen of Reading.

REPORT OF SUPERINTENDENT OF STREETS

I herewith submit to you a general summary of the work of the Highway Department for the year 1919.

A plan of road work was laid out after the March election, under the personal direction of Mr. Kinsley, who has given much time and thought to this work. They were carried out all the season with hardly a variation and I think that the results show for themselves.

From the last of February to the first of April road drags were used on about 20 miles of roads, which gave fairly good results. About this time the crusher was moved from Oak St. to a gravel bank on Willow St. (purchased by this department). Fifteen hundred tons of stone and 1100 cubic yards of gravel were crushed there during the season. Owing to delays in waiting for new equipment, actual work was not started until the last of May. What teams were in use May 1st were laid off and no teams were hired the rest of the season, with the exception of a single team at the crusher; all the work has been done with our new two-ton dump truck. It has been used to haul the oil distributer and road machine and for all general work, and the only outlay for repairs on it up to the present time has been one single item of $27.00.

I consider the scarifier the most practical and greatest labor-saving device that any road department could own. We have used it on the whole or part of the following streets: Grove, High and Woburn Sts., Summer Ave., Prescott, Lincoln, Ash, Washington and Minot Sts., and the Square, with good results.

On Aug. 11th work was started on the rebuilding of Salem St. (one mile of old water-bound macadam) and completed and open to traffic on Aug. 30th at a cost of 24c per sq. yd., the estimated cost of which was 43c. This saving was accomplished by the scarifier and truck and a first-class working crew. Part of the money left was used to lay 733 sq. yds. of tar macadam on Salem St. hill between Harnden and Main Sts., and I would recommend that the balance be carried over to 1920. During Sept. and Oct. the Dept. laid 3333 sq. yds. of asphalt macadam on Lowell St., between Woburn St. and Middlesex Ave., at a cost of 48c per sq. yd., and 2096 sq. yds. of tar macadam on Main St., between Washington St. and the B. & M. crossing, at a cost of 79c per sq. yd.

SIDEWALKS

Nineteen hundred and forty sq. yds. of old concrete was repaired and put in first-class condition, and minor repairs were made to gravel sidewalks in various sections.

DUST NUISANCE

Approximately 295,000 sq. yds. of road surface were treated with one application of 45% asphalt oil at a cost of 9c per sq. yd.; 4500 gallons of Tarvia B was also used for surface treatment. The water cart was used in the early Summer until we began to put oil on.

DRAINAGE

One new catch basin has been built at the corner of Chute and Woburn Sts. There are a number of places where new ones are needed and this has been taken up with Mr. Kinsley. The surface drainage of the Town is a matter which needs a good deal of care and thought.

SNOW AND ICE

The Department has tried to take care of the Snow and Ice the best we could under present conditions. Three new plows were added this year.

NEW EQUIPMENT

This Department has now a home of its own (something it never before had.) The School Department turned over to the Street Department the old school building at the corner of John and Union streets and under the direction of Mr. Kinsley and myself it has been remodeled to meet the needs of this Department. The basement is used for a garage and for storage. Up-stairs is used as a repair shop.

There has been added to the equipment this season a two-ton dump truck, pressure scarifier, gravel bank, mixing machine, tar heating kettle and the necessary machine and tools for the repair shop at an outlay of about $6000.

RECOMMENDATIONS

New construction work should be done on a larger scale and I will leave the recommendations to your Honorable Board.

CONCLUSION

I take this opportunity to thank your Honorable Board, and Mr. Kinsley especially, for your helpfulness to this Department, also to the employees who have worked hard and faithfully for the benefit of the Department. We would be very glad to have any of the citizens visit us at our new home as we feel very proud of it.

I would refer you to the Town Accountant's report for financial details.

Respectfully submitted,

E. H. CROWE, Supt. of Streets.

Reading, Mass., January 14, 1920.

REPORT OF INSPECTOR OF WIRES

To the Honorable Board of Selectmen:

Gentlemen:—

I respectfully submit herewith my report as Inspector of Wires for the year ending December 31, 1919.

Interior Wiring for Light and Power

Number of new buildings wired 20
Number of old buildings wired 67
Number of buildings re-wired or in which additional wiring has been installed 79
Number of inspection notices received from electrical contractors, and others 123
Number of inspections made 215

The above shows that during the past year, practically normal wiring activities have been resumed, and the increase in business has been particularly noticeable during the latter part of the year.

The following table will show the comparison with previous years:

	1911	1912	1913	1914	1915	1916	1917	1918	1919
Inspections	103	121	173	225	243	255	243	109	215
Inspection Notices	137	103	144	153	119	136	141	68	123
Additions and Alterations	58	14	51	48	40	91	98	40	79
Old Houses Wired	34	46	46	62	46	42	42	38	67
New Houses Wired	45	43	47	58	32	41	28	15	20

Overhead Wires in the Public Streets

Many defective poles have been renewed during the past year, by the Street Railway and Telephone Companies, as well as by the Municipal Light Department, and the pole lines in general are in satisfactory condition. It will be necessary, however, to do a certain amount of this work each year, as the poles require it.

In the case of the Street Railway Company—it would seem advisable for them to remove their poles and wires which are not now needed on streets where the service has been discontinued, unless there is some immediate prospect of service being restored.

It is reasonable to assume that as these lines serve no useful purpose and will be an added burden to the operation of the road, the expense of maintaining them will be kept at a minimum.

There is a considerable quantity of electric light wire with defective insulation which should be replaced with new wire as soon as it is possible to do so.

There are also some improvements needed on poles where telephone wires and street lamps are installed in order to provide proper clearance between the two sets of wires. It is probable that the Municipal Light Department will give these matters attention as soon as possible.

Respectfully submitted,

ARTHUR G. SIAS, Inspector of Wires.

Reading, Mass., Jan. 2, 1920.

REPORT OF CHIEF OF POLICE

To the Honorable Board of Selectmen:

I herewith submit the annual report of the Police Department for year ending December 31st, 1919.

Total number of arrests	180
Males	172
Females	8
Resident	58
Non-Resident	122
American born	132
Foreign born	48
Adults	140
Minors	40

Causes of Arrest

Drunks	39
Non support	4
Violating auto law	61
Disturbing peace	1
Larceny	7
Escaped from institutions	3
Gaming	10
Present at gaming	6
Stubborn child	1
Breaking and entering	4
Assaults	4
Disturbance on electric car	4
Warrants from out of town officers	4
Receiving stolen goods	1
Carrying loaded revolver	5
Town By-Law violated	7
Delinquent children	7
Forgery	1
Driving auto while under influence of liquor	4
Breaking street lights	4
Damage to personal property	2
Capias	1
Tramps	

Disposition of Cases in Court

Fined	71
Released	21
Turned over to parents	4
House of Correction	4
On file	33
Cases continued	15
State Hospital, Tewksbury	2
Appealed cases	4
Probation	6
Suspended	6
Turned over to out of town officers	7
Held for Grand Jury	2
Dismissed for want of prosecution	2
School for Girls at Lancaster	2
Discharged	1
Making a total of	180

Miscellaneous

Children lost and taken home	8
Cases investigated	100
Dead bodies taken care of	1
Buildings found open and secured	69
Windows found unlocked	13
Dogs killed	10
Fire alarm found open	2
Wires found down by officers	4
Accidents reported and investigated	65
Disturbances quelled	6
Lanterns in dangerous places	5
Defective street and sidewalks reported	2
Residences temporarily vacated and police protection requested	20
Search warrants served	1
Amount of property reported stolen	$2,678.35
Amount recovered	1,493.00
Amount of fines imposed	526.00
Amount of fines awarded state	397.00
Amount of fines collected	129.00
Amount of property recovered for out of town officers	815.00
Amount of fines due	15.00

List of Property in Custody of Chief of Police

Two roll top desks
One table
Two chairs
Four special police badges
Eleven police belts
Six pairs handcuffs
Four Colt Automatic revolvers
Two stop watches

Four steel lockers	One motorcycle
Thirty-four regular police badges	Two Colt revolvers
One bulletin board	Four pairs twisters
Four grey helmets	Thirty billies
Four blue helmets	One dark lantern
Thirteen blue caps	One watchman clock
One shot gun	One wooden locker
Five street traffic signs	Six rubber stamps
Five holsters	Ford automobile

Clock System

The department has installed the E. Howard Clock System, having four police boxes that are rung every half-hour: Box 1, in the center; Box 2, corner of Sanborn and Haven streets; Box 3, corner Haven and Chute streets; Box 4, corner of Woburn and Sanborn streets. Having these boxes gives the business section good police protection as the officers go over this every half-hour and we have a clock at the station that registers every box and the time it rings in.

ROSTER

Chief

Jeremiah Cullinane

Patrolmen

Oscar H. Low	William F. O'Brien
Timothy J. Cullinane	Frank T. Slack

Special Officers

Martin C. Welch	Morton Skidmore
William Pierpont	William H. Manning
William Killam	William E. Swain
Clement Gleason	Frank F. Strout
James C. Nichols	Jesse Hutchinson
	Patrick Long

Conclusion

I desire at this time to thank the Honorable Board of Selectmen, the judges of our court, our local press and all others who assisted in any way in promoting welfare of the department; also all members of the force for what they have done.

Respectfully yours,

JEREMIAH CULLINANE, Chief of Police.

Reading, January 1, 1920.

REPORT OF INSPECTOR OF MILK

To the Board of Health, Town of Reading:

Gentlemen:—

The inspection of the milk supply of the Town of Reading has been concluded for another year and the conditions of the same, with few exceptions, were found to be satisfactory.

The addition of the new testing apparatus to the department was a great help as far as the analysis of the milk was concerned, but it is not as much the standard, as it is the conditions under which the milk is produced, that must be watched and improved.

The sanitary conditions of two of the local dairies have been improved and those of another are about to be. With these conditions remedied, I can say that I think the standing of the milk supply has been improved over that of last year.

There are, however, conditions remaining that must be improved before the milk supply can be what it should.

Eighty-four samples of milk and sixteen samples of cream were analyzed this year. Six samples of milk were found to be below the standard and the dealers were warned.

Fifteen stores and eight dealers were licensed to sell milk this year; also eleven dealers were licensed to sell oleomargarine.

The total receipts for the year were $17.00

CARL M. SMITH,
Inspector of Milk, Town of Reading.

Reading, Mass., December 31, 1919.

REPORT OF SEALER OF WEIGHTS AND MEASURES

To the Board of Selectmen, Town of Reading:

Gentlemen:—

I herewith present my annual report for the year 1919.

The sealing of all scales, weights and measures in the Town of Reading has been completed for another year. The numbers of the same have shown an increase and I am glad to state that there has also been an improvement in the class of scales in use.

In view of the present high cost of all household commodities considerable time has been given to the inspection and re-weighing of such articles as flour, sugar, bread, meats, fruits and vegetables. Several pieces of ice were re-weighed and the cases of shortage were found to be very few in spite of numerous criticisms. The re-weighing of coal and re-measuring of coke and charcoal were also given their share of attention.

The gasoline pumps and sale of gasoline required a great amount of attention. Because of its present method of sale, gasoline is rather unsatisfactory and subjected to considerable criticism.

Taken all together, the department found very few cases of apparent shortages and these were generally traced to mistakes and carelessness on the part of irresponsive employees.

The total amount collected by the department for sealing and adjusting scales, weights and measures was $60.89, which is a considerable increase over that of previous years.

Work Performed from Dec. 1, 1918, to Nov. 30, 1919, Inclusive

1. Scales:	Sealed	Adjusted	Condemned
Capacity over 5,000 lbs.	3	1	
100 to 5,000 lbs	53	27	1
Beam	3	2	
Counter	47	12	
Spring	35	11	7
Computing (Counter)	28	16	1
Computing (Hanging)	1		
Personal Weighing	1		2
Prescription	2	2	1

2. Weights: ..			
Avoirdupois	348	22	24
Apothecary.....	46		
Metric	13		
3. Automatic, Liquid Measuring Devices:			
Gasoline	20	3	
4. Capacity Measures:			
Dry	5		
Liquid	59		2
5. Linear Measures:			
Yard Sticks	13		
Total	677	96	38

TRIAL WEIGHINGS AND MEASUREMENTS OF COMMODITIES, SOLD OR PUT UP FOR SALE

	No. Tested	Correct	Incorrect Under	Over
Coal (in paper bags)	4	3	1	
Coal (in transit)	4	3	1	
Ice	18	5	4	9
Grain and Feed	17	8	1	8
Flour	20	14	5	1
Butter	29	27	2	
Dry Commodities	71	58	4	9
Fruits and Vegetables	113	59	46	8
Meats and Provisions	14	12	1	1
Bread	34	18	16	
Gasoline	6	5	1	
Total	330	212	82	36

RE-WEIGHING COAL IN TRANSIT

No. lbs. in load as per certificate	No. lbs. in load as shown by weighing	Lbs. over	Lbs. under
2185	2195	10	
2000	2000		
2000	2000		
2830	2830		

CARL M. SMITH,
Sealer of Weights & Measures.

Reading, Mass., Dec. 31, 1919.

REPORT OF CHIEF OF FIRE DEPARTMENT

To the Honorable Board of Selectmen:

Gentlemen—I herewith submit the annual report of the Fire Department giving a record of the alarms received during the year ending December 31, 1919, and such other information as we believe may be of interest to the Town.

MANUAL FORCE

The Department consists of a Chief, one Assistant Chief, five permanent men (including the chief and assistant) and twenty-five call men.

APPARATUS

The apparatus consists of one (1) Triple Combination, one (1) Combination Hose Truck, one (1) Combination Service Ladder Truck and one (1) Motor Hose Truck.

The Triple Combination is a Knox machine and has been in service six years and two months. This machine has been painted this year and has been equipped with new cushion tires and is as good as the day it was purchased. The Combination Hose Truck is a Robinson two (2) tank machine and has been in service three years and three months. The machine has been equipped with United States "Nobby Tread" pneumatic tires this year and is giving very good service.

The Ladder Truck is a Robinson one (1) tank combination service truck. It has been in service three years and four months and still gives the best of satisfaction. The Motor Hose Truck is stationed in Hose 2 quarters on Woburn Street and was assembled by the members of the permanent force. This is a Ford one-ton chassis with body from Hose 1 wagon, which makes a satisfactory piece of apparatus.

The Department has had the use of the Forest Warden machine on fire alarm work which has made a material saving in horse hire to the Town.

FINANCES

My financial transactions are all embodied in the report of the Town Accountant to which I refer you for any information in that line.

RECOMMENDATIONS

I recommend the purchase of 1,000 feet of 2½-inch hose this year as I have not two changes at the Central Fire Station. The Motor Hose Truck should be painted and should be equipped with a storage battery and starter. I also recommend pneumatic tires for the Ladder Truck. Although the first cost of these tires seems high I believe they will add years to the length of time the truck will be serviceable.

FIRE PREVENTION

There have been 494 permits issued for fires in the open this year and I wish to compliment the citizens for the manner in which they have complied with this ruling. There have been inspections of a number of places made during the year. In most cases I find conditions quite satisfactory but there have been a few that I have been obliged to call to the attention of the owners. The one way that we can have a small fire loss is to prevent fires.

CONCLUSION

In conclusion, I wish to extend to your Honorable Board, and to the Town Accountant and Treasurer, and Finance Committee, our thanks for the courtesies and co-operation we have received during the year. I wish to compliment the officers and members of the Department on the prompt and efficient manner in which they have performed their duties. I also wish to express my thanks to the Eastern Massachusetts Street Railway Company for the use of current, to the Police Department for services rendered by it at fires, and to the employes of the New England Telephone and Telegraph Company for the prompt and efficient service rendered in receiving alarms by telephone.

Yours respectfully,

O. O. ORDWAY. Chief.

January 1, 1920.

RECORD OF FIRES FOR YEAR 1919

Total number of alarms, 98.

Still alarms, 60.

Bell alarms, 38.

Value of property in danger, $27,000.

Insurance on property in danger, $18,300.

Damage thereto, $6,434.50.

H. M. VIALL, COLLECTOR

DR.

Uncollected taxes, account 1916	$ 646.68
Interest collected, account 1916	82.91
Uncollected taxes, account 1917	23,111.76
Interest collected, account 1917	2,216.48
Uncollected taxes, account 1918	73,857.33
Interest collected, account 1918	1,827.20
Error in Moth Tax of 1918	.50
Committed list, account 1919	243,946.56
Moth Tax, account 1919	1,659.09
Excise Tax, account 1919	818.98
Supplementary Tax, account 1919	101.38
Interest collected, account 1919	127.10
Received, account tax paid after abatement	35.62
Received, account certificates	17.00
Received, account redemption property	19.01
	$348,467.60

IN ACCOUNT WITH TOWN OF READING

CR.

Cash paid Treasurer, account 1916	$ 568.72
Abatement, account 1916	160.87
Cash paid Treasurer, account 1917	24,561.29
Abatement, account 1917	140.17
Uncollected taxes, account 1917	626.78
Cash paid Treasurer, account 1918	56,983.56
Abatement, account 1918	411.39
Uncollected taxes, account 1918	18,290.08
Cash paid Treasurer, account 1919	166,388.17
Abatement, account 1919	519.64
Uncollected taxes, account 1919	79,745.30
Cash paid Treasurer, account tax paid after abatement	35.62
Cash paid Treasurer, account certificates	17.00
Cash paid Treasurer, account redemption property	19.01
	$348,467.60

H. M. VIALL, Collector of Taxes.

December 31st, 1919.

Approved:

JOHN H. SHELDON, Town Accountant.

REPORT OF FOREST WARDEN

To the Honorable Board of Selectmen:

Gentlemen—I herewith submit the annual report of the Forest Warden for the year 1919 as well as such other information that may be of interest to the Town.

The Department consists of a Forest Warden and two deputies, Mr. H. M. Donegan and Mr. Luke McKenney. I have purchased a Ford chassis and built a body to carry forest fire-fighting equipment, consisting of 12 extinguishers, 14 eight-quart cans, Johnson pumps, brooms, shovels, etc.

The Department has been to 19 brush fires this year. None were of a serious nature.

I have investigated 20 calls from the Look-out Station and reported back to the tower.

I have investigated all fires and sent the reports of the same to the State Forest Warden.

I have posted fire warnings throughout the wooded sections of the Town which I feel have prevented a large number of fires by bringing to mind the danger of forest fires.

The Department has issued 48 permits for fires in the open.

In conclusion, I wish to thank all who have assisted in any way this Department during the year.

Respectfully submitted,

O. O. ORDWAY, Forest Warden.

January 1, 1920.

REPORT OF BOARD OF ASSESSORS

Valuation of real estate:	
Buildings, excluding land	$4,721,775.00
Land, excluding buildings	2,475,995.00
Total real estate	$7,197,770.00
Personal estate, excluding resident bank stock	939,764.00
Resident bank stock	26,700.00
Total personal estate	$ 966,464.00
Total real and personal estate assessed April 1, '19	8,164,234.00
Building increase over 1918	45,125.00
Land increase over 1918	3,115.00
Personal gain	33,560.00
Total gain on personal and real estate	$ 81,800.00
Tax on real estate	211,615.49
Tax on personal estate	28,415.07
Tax on polls	3,916.00
Tax on real estate for moth work	1,659.09
Total tax assessed April 1, 1919	$ 245,605.65
Personal estate assessed Dec., 1919	none
Real estate assessed Dec., 1919	2,700.00
Polls, 11 at $2.00	22.00
Tax assessed as supplementary on real estate Dec., '19	79.38
Street Railway Excise Tax on 7.076 miles	818.98
Total personal estate assessed 1919	966,464.00
Total real estate assessed 1919	7,200,470.00
Total real and personal estate assessed in year of 1919	$8,166,934.00
State Highway Tax, 1919	$ 4,779.43
General State Tax, 1919	18,480.00
Special Tax, 1919	1,108.80
Fire Prevention Tax, 1919	117.90
Sewerage Tax	5,046.99

Sewerage Sinking Fund		7,000.00
County Tax		9,494.30
Total State and County tax	$	46,027.42
Total, 1918		44,741.65
Excess over 1918	$	1,285.77
Balance used for Town purposes		199,578.23
Rate of taxation, 1919, $29.40 per $1,000		
Number of persons assessed on property April 1, 1919		2,356
Number assessed for polls only		877
Additional assessed in December		5
Additional polls		11
Total assessed on property in 1919		2,361
Total assessed on polls in 1919		888
Total number of separate assessments		3,249
Polls assessed in 1918		1,960
Polls assessed in 1919		1,969
Increase in polls		9
Number of horses		175
Number of cows		242
Number of sheep		44
Number of neat cattle		46
Number of swine		308
Number of fowls		8,355
Number of dwellings		1,865
Number of new buildings		7
Number of acres of land		5,751

Assessors' Report on the Survey of Land Under the Block System

We have now completed 53 plans which contain 2,478 separate lots.

The financial account is as follows:

Balance from 1919	$206.83

We would like to add to our plans the ensuing year and would ask for an appropriation of $200 for this purpose.

MILLARD F. CHARLES
GEORGE E. HORROCKS
ARDINE M. ALLEN
Board of Assessors.

Annual Report

OF THE

TOWN OF READING

SELECTMEN'S OFFICE,
READING, Jan. 1, 1920.

TO THE HONORABLE BOARD OF SELECTMEN:

The undersigned herewith presents the annual statement of the receipts and expenditures of the Town of Reading for the financial year ending December 31, 1919, together with such other information relating to the fiscal interests of the Town as may be of general interest.

Respectfully submitted,

JOHN H. SHELDON,

Town Accountant.

REPORT OF TOWN ACCOUNTANT FOR FINANCIAL YEAR ENDING DECEMBER 31, 1919

RECEIPTS FROM ALL SOURCES DURING THE YEAR

General Accounts	$610,813.09	
Cash on hand beginning of year	19,675.09	
		$630,488.18

PAYMENTS FOR THE YEAR

Payments for the year	$625,676.90	
Cash on hand	4,811.28	
		630,488.18

TOWN DEBT

Total indebtedness of the Town, Jan. 1, '19		509,000.00
This has been increased during the year by the issue of bonds and notes as follows:		
Municipal Light Loans	$ 35,000.00	
Fuel Emergency Loan	6,500.00	
		41,500.00
		$550,500.00
There has been a decrease by the payments of the following bonds and notes:		
Municipal Light	$ 14,800.00	
High School Building	4,000.00	
Grouard Estate Loan	1,000.00	
Water Bonds	14,000.00	
Cemetery and Library Bequest	1,200.00	
Public Library Building	1,000.00	
Hook and Ladder Comb. Trucks	1,500.00	
Richardson Estate Lot	500.00	
School Extension Loan	1,000.00	
Brown Estate	500.00	
Sewer Construction Loan	1,000.00	
Town Office Building	2,000.00	
Grading	1,300.00	
Pub. Library and Town Building Furnishings	500.00	
		44,300.00
Total indebtedness Dec. 31, 1919		$506,200.00

SUMMARY OF TOWN DEBT

1919	1918	Decrease
$506,200.00	$509,000.	$2,800.00

The following is a statement of the total debt of the Town, with the rate of interest thereon:

MUNICIPAL LIGHT LOANS

RATE OF INT.	WHEN DUE	AMOUNT	TOTAL
4 and 4½%	1920	$18,300.00	
4 and 4½%	1921	18,300.00	
4 and 4½%	1922	14,800.00	
4 and 4½%	1923	12,800.00	
4 and 4½%	1924	11,800.00	
4 and 4½%	1925	9,800.00	
4 and 4½%	1926	8,800.00	
4 and 4½%	1927	8,800.00	
4 and 4½%	1928	8,800.00	
4 and 4½%	1929	8,800.00	
4 and 4½%	1930	8,800.00	
4 and 4½%	1931	7,000.00	
4 and 4½%	1932	7,000.00	
4 and 4½%	1933	6,000.00	
4 and 4½%	1934	5,000.00	
4 and 4½%	1935	5,000.00	
4 and 4½%	1936	3,000.00	
4 and 4½%	1937	1,500.00	
4 and 4½%	1938	1,500.00	$167,300.00

EMERGENCY LOAN

RATE OF INT.	WHEN DUE	AMOUNT	TOTAL
5%	1920	$6,500.00	

HIGH SCHOOL BUILDING

RATE OF INT.	WHEN DUE	AMOUNT	TOTAL
3½%	1920	$4,000.00	
3½%	1921	4,000.00	
3½%	1922	4,000.00	
3½%	1923	4,000.00	
3½%	1924	4,000.00	
3½%	1925	4,000.00	$24,000.00

GROUARD ESTATE LOAN

RATE OF INT.	WHEN DUE	AMOUNT	TOTAL
4%	1920	$1,000.00	
4%	1921	1,000.00	$2,000.00

WATER LOANS

RATE OF INT.	WHEN DUE	AMOUNT	TOTAL
4 and 4½%	1920	$14,000.00	
4 and 4½%	1921	14,000.00	
4 and 4½%	1922	14,000.00	
4 and 4½%	1923	12,000.00	
4 and 4½%	1924	12,000.00	
4 and 4½%	1925	12,000.00	
4 and 4½%	1926	7,000.00	
4 and 4½%	1927	7,000.00	
4 and 4½%	1928	7,000.00	
4 and 4½%	1929	7,000.00	
4 and 4½%	1930	7,000.00	
4 and 4½%	1931	2,000.00	
4 and 4½%	1932	2,000.00	
4 and 4½%	1933	2,000.00	
4 and 4½%	1934	2,000.00	
4 and 4½%	1935	2,000.00	
4 and 4½%	1936	2,000.00	
4 and 4½%	1937	1,000.00	
4 and 4½%	1938	1,000.00	
4 and 4½%	1939	1,000.00	
4 and 4½%	1940	1,000.00	
4 and 4½%	1941	1,000.00	
4 and 4½%	1942	1,000.00	$131,000.00

RICHARDSON ESTATE LOT

RATE OF INT.	WHEN DUE	AMOUNT	TOTAL
4%	1920	$500.00	
4%	1921	500.00	
4%	1922	500.00	
4%	1923	500.00	
4%	1924	500.00	
4%	1925	500.00	
4%	1926	500.00	
4%	1927	500.00	$4,000.00

SEWER CONSTRUCTION LOAN

RATE OF INT.	WHEN DUE	AMOUNT	TOTAL
5%	1920	$1,000.00	
5%	1921	1,000.00	
5%	1922	1,000.00	
4%	1923	4,000.00	
4%	1924	4,000.00	
4%	1925	4,000.00	
4%	1926	4,000.00	
4%	1927	4,000.00	
4%	1928	4,000.00	
4%	1929	4,000.00	
4%	1930	4,000.00	
4%	1931	4,000.00	
4%	1932	4,000.00	
4%	1933	4,000.00	
4%	1934	4,000.00	
4%	1935	4,000.00	
4%	1936	4,000.00	
4%	1937	4,000.00	
4%	1938	4,000.00	
4%	1939	4,000.00	
4%	1940	4,000.00	
4%	1941	4,000.00	
4%	1942	4,000.00	
4%	1943	4,000.00	
4%	1944	4,000.00	
4%	1945	4,000.00	
4%	1946	4,000.00	
4%	1947	4,000.00	$103,000.00

CEMETERY AND LIBRARY BEQUESTS

RATE OF INT.	WHEN DUE	AMOUNT	TOTAL
4%	1920	$1,200.00	
4%	1921	1,200.00	$2,400.00

TOWN OFFICE BUILDING

RATE OF INT.	WHEN DUE	AMOUNT	TOTAL
4½%	1920	$2,000.00	
4½%	1921	2,000.00	
4½%	1922	2,000.00	
4½%	1923	2,000.00	
4½%	1924	2,000.00	
4½%	1925	2,000.00	
4½%	1926	2,000.00	
4½%	1927	2,000.00	
4½%	1928	2,000.00	
4½%	1929	2,000.00	
4½%	1930	2,000.00	
4½%	1931	2,000.00	
4½%	1932	2,000.00	
4½%	1933	2,000.00	
4½%	1934	2,000.00	
4½%	1935	2,000.00	
4½%	1936	2,000.00	
4½%	1937	2,000.00	$36,000.00

PUBLIC LIBRARY BUILDING

RATE OF INT.	WHEN DUE	AMOUNT	TOTAL
4%	1920	$1,000.00	
4%	1921	1,000.00	$2,000.00

SCHOOL EXTENSION LOAN

RATE OF INT.	WHEN DUE	AMOUNT	TOTAL
4%	1920	$1,000.00	
4%	1921	1,000.00	
4%	1922	1,000.00	
4%	1923	1,000.00	
4%	1924	1,000.00	
4%	1925	1,000.00	
4%	1926	1,000.00	
4%	1927	1,000.00	
4%	1928	1,000.00	
4%	1929	1,000.00	
4%	1930	1,000.00	
4%	1931	1,000.00	$12,000.00

HOOK AND LADDER AND COMBINATION TRUCKS

RATE OF INT.	WHEN DUE	AMOUNT	TOTAL
5%	1920	$1,500.00	
5%	1921	1,500.00	$3,000.00

BROWN ESTATE

RATE OF INT.	WHEN DUE	AMOUNT	TOTAL
4%	1920	$500.00	
4%	1921	500.00	
4%	1922	500.00	
4%	1923	500.00	
4%	1924	500.00	
4%	1925	500.00	
4%	1926	500.00	
4%	1927	500.00	
4%	1928	500.00	
4%	1929	500.00	
4%	1930	500.00	
4%	1931	500.00	
4%	1932	500.00	$6,500.00

PUBLIC LIBRARY AND TOWN OFFICE BUILDING, GRADING GROUNDS AND FURNISHINGS

RATE OF INT.	WHEN DUE	AMOUNT	TOTAL
5%	1920	$500.00	
5%	1921	500.00	
5%	1922	500.00	
5%	1923	500.00	
5%	1924	500.00	
5%	1925	500.00	
5%	1926	500.00	
5%	1927	500.00	
5%	1928	500.00	
5%	1929	500.00	
5%	1930	500.00	
5%	1931	500.00	
5%	1932	500.00	$6,500.00

Total indebtness Dec. 31, 1919 $506,200.00

TEMPORARY LOANS

Balance from 1918		$127,000.00

Borrowed in 1919

Esterbrook & Co., due Nov. 15, Int. 4.37%	$10,000.00	
Esterbrook & Co., due Nov. 15, Int. 4.37%	8,000.00	
S. N. Bond & Co., due Nov. 14, Int. 4.25%	15,000.00	
S. N. Bond & Co., due Dec. 15, Int. 4.50%	25,000.00	
S. N. Bond & Co., due Dec. 15, Int. 4.50%	10,000.00	
S. N. Bond & Co., due Dec. 15, Int. 4.50%	10,000.00	
S. N. Bond & Co., due Dec. 15, Int. 4.50%	5,000.00	
S. N. Bond & Co., due Sept. 11, Int. 4.65%	25,000.00	
S. N. Bond & Co., due Nov. 5, Int. 4.75%	25,000.00	
S. N. Bond & Co., due Dec. 15, Int. 4.45%	25,000.00	
S. N. Bond & Co., due Nov. 17, Int. 4.40%	15,000.00	
S. N. Bond & Co., due Nov. 17, Int. 4.40%	10,000.00	

Due in 1920

S. N. Bond & Co., due Apr. 15, Int. 4.62%	50,000.00	
S. N. Bond & Co., due Apr. 15, Int. 4.37%	25,000.00	
S. N. Bond & Co., due June 15, Int. 4.75%	25,000.00	$283,000.00
		$410,000.00

Paid in 1919

Esterbrook & Co., due Apr. 3, Int. 5.18%	$20,000.00	
S. N. Bond & Co., due Apr. 10, Int. 4.50%	27,000.00	
Esterbrook & Co., due Apr. 15, Int. 4.64%	25,000.00	
Esterbrook & Co., due May 23, Int. 4.35%	30,000.00	
Esterbrook & Co., due Jan. 15, Int. 4.50%	25,000.00	
Esterbrook & Co., due Nov. 15, Int. 4.37%	10,000.00	
Esterbrook & Co., due Nov. 15, Int. 4.37%	8,000.00	
S. N. Bond & Co., due Nov. 14, Int. 4.25%	15,000.00	
S. N. Bond & Co., due Nov. 5, Int. 4.75%	25,000.00	
S. N. Bond & Co., due Nov. 17, Int. 4.40%	15,000.00	
S. N. Bond & Co., due Nov. 17, Int. 4.40%	10,000.00	
S. N. Bond & Co., due Sept. 11, Int. 4.65%	25,000.00	
S. N. Bond & Co., due Dec. 15, Int. 4.50%	25,000.00	
S. N. Bond & Co., due Dec. 15, Int. 4.50%	10,000.00	
S. N. Bond & Co., due Dec. 15, Int. 4.50%	10,000.00	
S. N. Bond & Co., due Dec. 15, Int. 4.50%	5,000.00	
S. N. Bond & Co., due Dec. 15, Int. 4.45%	25,000.00	$310,000.00
Temporary loans outstanding		$100,000.00

Temporary Loans Outstanding

1920

S. N. Bond & Co., due Apr. 15, Int. 4.62%	$50,000.00	
S. N. Bond & Co., due Apr. 15, Int. 4.37%	25,000.00	
S. N. Bond & Co., due June 15, Int. 4.75%	25,000.00	
		$100,000.00

TOWN DEBT DECEMBER 31, 1919

Due in 1920		Per Cent.	Notes and Bonds		Total
Sept. 22.	$ 500	5	Municipal Light		
Oct. 1.	3,000	4½	Municipal Light		
Jan. 1.	1,000	4½	Municipal Light		
Apr. 1.	1,000	4¾	Municipal Light		
Nov. 20.	1,500	5	Municipal Light		
May 28.	6,500	5	Municipal Light		
Oct. 1.	3,000	4	Municipal Light		
Mar. 27.	1,000	4	Municipal Light	Full Loan	$173,800
Apr. 16.	1,500	4¼	Municipal Light		
July 15.	2,000	4	Municipal Light		
Oct. 15.	1,500	4¼	Municipal Light		
Sept. 15.	500	4½	Municipal Light		
May 15.	800	4	Municipal Light		
July 15.	500	4	Municipal Light		
May 15.	500	4	Municipal Light		
June 1.	14,000	4-4½	Water Department		131,000.00
Nov. 1.	4,000	3½	High School Building		24,000.00
July 21.	1,000	4	Grouard Estate		2,000.00
Dec. 17.	1,000	4-5	Sewer Construction		103,000.00
Aug. 1.	2,000	4½	Town Office Building		36,000.00
Apr. 15.	1,200	4	Current Expense Bonds		2,400.00
Oct. 4.	1,000	4	Library Building		2,000.00
Nov. 1.	1,500	5	H. & L. and Com. Trucks		3,000.00
Nov. 1.	500	4	Richardson Estate		4,000.00
Nov. 15.	1,000	4	School Extension		12,000.00
May 1.	500	4	Brown Estate		6,500.00
Apr. 1.	500	5	Library and Town Office Buildings and Furnishings		6,500.00
	$53,000				$506,200.00

FINANCES

The assessed valuation of the Town April 1, 1919, was:			$8,164,234.00
Real Estate	$7,197,770.00		
Personal Property .	966,464.00		
			8,164,234.00
Assessed at $29.40 per $1000 gives			240,030.56
1958 Polls			3,916.00
			$243,946.56
This tax is divided as follows:			
Town Purposes ...	$ 242,744.00		
Less estim'd revenue	47,343.20		
		195,400.80	
State Tax		19,588.80	
County Tax		9,494.30	
Highway Tax		4,779.43	
Fire Prevention Tax		117.90	
Sewer Tax		5,046.99	
Sewer Tax Entrance Fee		7,000.00	
Overlay		2,518.34	
			243,946.56

GENERAL REVENUE ACCOUNTS

The following is the estimated revenue of all Departments together with the actual revenue received during the year:

Balance from 1918			549.26
Estimated Revenue .	$ 47,343.20		
Transfer Moth Dept.	100.00		
		$ 47,443.20	

RECEIVED

Court fines	169.00
Moth Assessments	2,516.98
School Dept. Tuition	3,082.80
Interest on Deposit	839.04
Interest on Taxes	3,864.02
Corporation Tax	8,574.40
Income Tax, 1917	165.00
Income Tax, 1918	1,650.00
Income Tax, 1919	13,863.20

Income Tax, School Fund		8,253.33
Dog Tax		659.49
Licenses		187.00
Certification of Taxes		21.84
Street Railway Tax Interest		614.63
Town Home		687.16
National Bank Tax		1,198.44
Soldiers' Exemption		182.72
December Supplementary Tax		101.38
Eastern St. Railway Tax		1,144.03
Sealer of Weights and Measures Fees		60.89
Public Library Fines		165.00
Excess Transferred to E. & D. Acct.	1,106.41	
	48,549.61	48,549.61

EXCESS AND DEFICIENCY ACCOUNT

Balance from 1918		997.61
RECEIVED		
Sundry Sources		16.47
TRANSFERRED		
From Sundry Sources		5,508.24
EXPENDED		
Sundry Transfers	5,222.62	
Balance to 1920	1,299.70	
	6,522.32	6,522.32

Reserve Fund from Surplus Overlays

Balance from 1918		449.51
RECEIVED		
Sundry Sources		4.88
TRANSFERRED		
From Overlay, 1917		789.51
TRANSFERRED		
To Memorial Park	400.00	
To Fire Department	156.00	
To Overlay Acct, 1916	205.16	
To Reserve Fund	338.12	
To Abatements	144.62	
	1,243.90	1,243.90

Reserve Fund

Balance from 1918		778.64
TRANSFERRED		
From Surplus Overlays		338.12
Balance to 1920		$ 1,116.76

Richardson Property Income Account

Amount received from rent		$ 336.00
EXPENDED		
For Repairs	$ 30.49	
TRANSFERRED		
To Excess and Deficiency Acct.	305.51	
		336.00

Cemetery Special—Sale of Lots and Graves

Balance from 1918	3,994.35
RECEIVED	
From Sundry Parties	1,385.00
TRANSFERRED	
From Cemetery Account	35.54
	5,414.89
TRANSFERRED	
To Cemetery Account	4,200.00
Balance to 1920	1,214.89

BORROWING CAPACITY

Net Valuation for 1917, 1918, 1919

Year	Total Val.	Abatement	Net
1917	$ 7,711,046	$54,340	$ 7,656,706
1918	8,082,434	11,535	8,070,899
1919	8,164,234	18,823	8,145,411
	$23,957,714	$84,698	$23,873,016

The average net valuation for 1917, 1918, 1919 ..... $7,957,672.00

The indebtedness of towns is limited by Chapter 719 of the Acts of 1913, Section 12, to 3% of the average valuation for the three preceding years, the valuation being first reduced by the amount of all abatements thereon previous to the 31st of December of each year:

Three per cent is		$ 238,720.00
Total Town Debt is	$ 506,200.00	
Of this amount the following loans are not included in the debt limit, being exempt by Acts of the Legislature:		
Water loans ..... $ 131,000.00		
Sewer loans 100,000.00		
Electric Light 167,300.00		
	398,300.00	
Net municipal debt, Dec. 31, 1919		107,900.00
Borrowing capacity, Jan. 1, 1920 ..		130,820.00

ASSETS

Trust Fund and Investments

Cemetery Funds:	
U. S. 4th 4¼% Bonds	$ 9,000.00
U. S. 3rd 4¼% Bonds	2,611.77
U. S. 5th 4¾% Bonds	500.00
Mun. Light Dept., Wilmington Ext.	4,000.00
Mun. Light Dept., Construction Town limits	2,000.00
Library Building Loan	2,000.00
Accrued interest	247.80
Excess Fund earned over 5% Guarteed	152.76
Cash in bank and office	2,252.41
Cash in bank, Geo. F. Buck Fund ..	58.15
	$ 22,822.89

LIABILITIES

Trust Funds

Cemetery Bequests	$ 22,764.74
George F. Buck Trust Fund	58.15
	$ 22,822.89

ASSETS AND LIABILITIES FROM

Cash held by Treasurer	$ 4,811.28
Taxes, 1917	623.53
Taxes, 1918	17,817.78
Taxes, 1919	78,348.99
Moth Assessments, 1917	3.25
Moth Assessments, 1918	147.25
Moth Assessments, 1919	577.33
Sundry Parties, Spraying	925.75
Street Railway Tax	1,144.03
Taxes on property taken	18.47
Parker Tavern	3,500.00
Com. of Mass., Moth	2,093.61
Stone Crusher Acct.	868.69
Scarifier Acct.	250.00
Mothers' Aid, Com. of Mass.	1,690.61
State Aid	1,614.20
Sundry Parties	36.15
Interest Acct.	1,802.50
Com. of Mass., Temporary Aid	1,602.60
	$ 117,876.02

CAPITAL ASSETS

Public Property Acct.	$1,001,651.44

APPROPRIATIONS, DECEMBER 31, 1919

Temporary Loans	$ 100.000.00
Excess and Deficiency Acct	1,299.70
Overlays, 1917	623.53
Overlays, 1918	663.42
Overlays, 1919	1,989.88
Suspense Acct. (Assessments unpaid)	1,653.58
Reserve Fund	1,116.76
Town Office Building Maintenance	452.24
Block System Survey	206.83
Remodeling John-Street School	260.59
Sewer Bonds, Premiums	1,928.20
Hose 2 Equipment	323.14
Moth Department	330.31
Forest Warden	175.00
Sewer Construction	46.79
Prospect Street	500.00
Forest Street	464.93
High Street	184.09
West Street	700.00
Woburn Street	396.65
Summer Avenue	423.98
Salem Street	1,203.62
North Main Street Sidewalk	395.00
Schoolhouse Extension	37.41
Public Library	134.38
Public Library Building	854.92
Common and Parks	215.51
Memorial Park	80.67
Cemetery Special	1,214.89
	$ 117,876.02

CAPITAL LIABILITIES

Town Debt	$ 506,200.00
Balance, Town of Reading	495,451.44
	$1,001,651.44

TRUST FUNDS

Balance from 1918		$ 20,016.10

Received in 1919

Heirs of Samuel W. Parker	100.00
Mrs. F. A. Winship	100.00
Mrs. Mary E. Knight	100.00
F. A. and Arthur Brown	100.00
Gilman L. Parker	100.00
Hattie M. Whitney	60.00
Maria L. Winchester	75.00
Charles H. Goodwin	100.00
Mary E. Weston	100.00
Estate of D. F. Hunt	200.00
William T. Temple	100.00
Charles D. Wells	100.00
John B. Fairbanks	94.05
	$ 21,345.15
Interest accrued on the above unexpended	$ 1,419.59
	$22,764.74

CEMETERY TRUST FUND

The Treasurer, Cemetery Trustees and Selectmen, acting as Trustees of the Cemetery Fund held Dec. 31, 1919, cash and securities amounting to			$ 22,764.74
Balance from 1918		$ 21,269.42	
Rec'd from bequests	$ 1,329.05		
Rec'd from interest	1,073.77		
	2,402.82		
Paid Perpetual Care	907.50		
		1,495.32	
			22,764.74

This Fund is invested as follows:

Liberty Bonds

U. S. 4th 4¼ % Bonds	$ 9,000.00
U. S. 3rd 4¼ % Bonds	2,611.77
U. S. 5th 4¾ % Bonds	500.00

NOTES

Mun. Light Dept., Wilmington Ext.	4,000.00	
Mun. Light Dept., Construction Town limits	2,000.00	
Library loan Building	2,000.00	
Excess Fund earned over 5% guaranteed	152.76	
Accrued interest	247.80	
Cash in bank and office	2,252.41	
		$ 22,764.74

GEORGE F. BUCK FUND

This Fund is invested as follows:

Cash in Savings Bank	$ 58.15

TAXES

The taxes committed, abated, and collected during the year, together with the balance unpaid Dec. 31, 1918 and Dec. 31, 1919, are as follows:

TAXES 1916

Balance from 1918			$ 630.43
Collected	$	485.81	
Abated		144.62	
		630.43	630.43

TAXES 1917

Balance from 1918			19,956.53
Collected		19,192.83	
Abated		140.17	19,333.00
			623.53

TAXES 1918

Balance from 1918		70,302.91	
Refunded		2.00	
		70,304.91	
Collected	$ 52,073.74		
Abated	413.39	52,487.13	
			17,817.78

TAXES 1919

Amount of Commitment		243,946.56	
December Supplementary		101.38	
		244,047.94	
Refund		8.82	
		244,056.76	
Collected	165,179.31		
Abated	528.46	165,707.77	
			78,348.99
Total uncollected taxes, Dec. 31, '19			96,790.30

SPECIAL ASSESSMENTS

MOTH 1916

Balance from 1918		16.25
Abatement		16.25

MOTH 1917

Balance from 1918		121.00
Collected		117.75
		3.25

MOTH 1918

Balance from 1918		508.75	
Error in Commitment		.50	
Refunded		10.00	
		519.25	
Collected	362.00		
Abated	10.00		
		372.00	
			147.25

MOTH 1919

Amount of Commitment	1,659.09	
Collected	1,081.76	
		577.33
Uncollected Moth Assessments		727.83

OVERLAYS 1915

Received	11.94
Transferred to Reserve Fund	11.94

Overlays 1916

Balance from 1918		207.49
Received	2.33	
Transferred to Reserve Fund	205.16	207.49

Overlays 1917

Balance from 1918		1,541.27
Abatements	140.17	
Reserve Fund	777.57	917.74
Balance to 1920		623.53

Overlays 1918

Balance from 1918	1,076.81
Abatements	413.39
Balance to 1920	663.42

Overlays 1919

Appropriations	2,518.34
Abatements	528.46
Balance to 1920	1,989.88

AGENCY AND TRUST TRANSACTIONS

State Tax

From Tax Levy		$ 19,588.80
	EXPENDED	
Com. of Massachusetts		19,588.80

County Tax

From Tax Levy		9,494.30
	EXPENDED	
Middlesex County		9,494.30

Highway Tax

From Tax Levy	4,779.43
EXPENDED	
Com. of Massachusetts	4,779.43

Fire Prevention Tax

From Tax Levy	117.90
EXPENDED	
Com. of Massachusetts	117.90

Sewer Tax

From Tax Levy	12,046.99
EXPENDED	
Com. of Massachusetts	12,046.99

Street Railway Tax

Balance	325.05	
Assessed in 1919	818.98	
Balance to 1920		1,144.03

Taxes on Property Taken

Balance from 1918	199.45	
Received	14.17	
	213.62	
EXPENDED		
To Tax Collector	232.09	
Balance to 1920		18.47

APPROPRIATIONS AND EXPENDITURES

Detailed account of the appropriations made by the Town during the year, together with the transfers, expenditures and the unexpended balance, Dec. 31, 1919.

GENERAL GOVERNMENT

Legislative

Appropriation		$ 60.00
EXPENDED		
Jesse W. Morton, Moderator		60.00

Executive

Selectmen Salaries		
Appropriation		500.00
EXPENDED		
J. Edward Frost, Chairman	$ 191.66	
Edgar O. Dewey, 2 months	33.34	
	225.00	
William S. Kinsley, Secretary	125.00	
Edwin L. Hutchinson	150.00	
		500.00
OTHER EXPENSES		
Appropriation		900.00
Transfer from Excess and Deficiency Account		82.42
		982.42
John H. Sheldon, services	705.00	
Mabel A. Strout	76.00	
Rent of P. O. box	3.75	
Telephone	54.04	
Express	.87	
Supplies	29.75	
Printing	57.95	
Vouchers	27.65	
Balance book case	13.00	
Incidentals	14.41	
		982.42

Financial

Town Accountant		
Appropriation		750.00
EXPENDED		
John H. Sheldon, Accountant		750.00
OTHER EXPENSES		
Appropriation		193.00
EXPENDED		
J. H. Sheldon, services	100.00	
One-half cost of adding machine	93.00	
		193.00
Treasuer's Salary		
Appropriation		600.00
EXPENDED		
Henry H. Kinsley, Treasurer		600.00
OTHER EXPENSES		
Appropriation		368.00
EXPENDED		
Treasurer's Bond	75.00	
Certification of notes	28.00	
Safety Deposit box	10.00	
Printing	9.00	
Supplies	14.25	
One-half cost of adding machine	92.00	
Stamped envelopes	45.12	
Incidentals	2.30	
	275.67	
Transferred to Excess and Deficiency Account	92.33	
		368.00
Tax Collector's Salary		
Appropriation		1,300.00
Transferred from Excess and Deficiency Account		253.69
EXPENDED		
H. M. Viall, Collector:		
5/8 % on 1919 Tax	1,039.93	
5/8 % on 1918 Tax	356.15	
5/8 % on 1917 Tax	153.50	
3/4 % on 1916 Tax	4.11	
		1,553.69

OTHER EXPENSES

Appropriation		275.00
EXPENDED		
Telephone	28.08	
Supplies	4.48	
Lamp	11.45	
Books	42.50	
Stamped envelopes	112.38	
Printing	56.80	
	255.69	
Transferred to Excess and Deficiency Account	19.31	275.00

UNPAID BILLS

Prentiss and Viall, Bond Premiums	$ 100.00	

ASSESSORS' SALARIES

Appropriation		1,200.00
EXPENDED		
M. F. Charles, Chairman	$ 433.32	
A. M. Allen	383.34	
George E. Horrocks	383.34	
		1,200.00

EXPENSES

Appropriation		1,000.00
EXPENDED		
Mrs. Christine Atkinson, clerk	324.00	
Street list	348.00	
George E. Horrocks, services	31.77	
M. F. Charles, services	30.00	
A. M. Allen, services	30.00	
Typewriter	50.00	
Printing	32.05	
Telephone	33.27	
Towels	4.70	
Supplies	48.03	
Use of auto	20.00	
Abstracting	29.40	
Auto list	5.00	
	986.22	
Transferred to Excess and Deficiency Account	13.78	
		1,000.00

TOWN CLERK'S SALARY		
Appropriation		200.00
EXPENDED		
M. F. Charles, Town Clerk:		
10 months' rate of $200	166.66	
2 months' rate of $150	25.00	
	191.66	
Transferred to Excess and Deficiency Account	8.34	
		200.00
OTHER EXPENSES		
Appropriation		$ 325.00
EXPENDED		
Reporting births	$ 38.50	
Reporting Deaths	24.00	
Recording births	83.00	
Recording deaths	28.60	
Recording marriages	15.00	
Administering oaths	10.25	
Printing	31.50	
Supplies	40.60	
M. F. Charles, expenses	5.25	
Incidentals	3.20	
	279.90	
Transferred to Excess and Deficiency Account	45.10	
		325.00
TOWN COUNSEL'S SALARY		
Appropriation		500.00
EXPENDED		
Jesse W. Morton, salary		500.00

ELECTION AND REGISTRATION

REGISTRARS' SALARIES		
Appropriation		130.00
EXPENDED		
M. F. Charles, clerk	40.00	
W. S. Prentiss	30.00	
Arthur C. Copeland	30.00	
Owen McKenney	30.00	
		130.00

Election Expenses

Appropriation		550.00
TRANSFERRED		
From Excess and Deficiency Account		53.95
		603.95
EXPENDED		
Pay roll, Election Officers	210.00	
Services, primaries and recount	75.00	
Posting notices	18.00	
Printing ballots, warrants, etc.	219.70	
Rent of hall	75.00	
Express	2.25	
Incidentals	4.00	
		603.95

OTHER GENERAL ACCOUNTS

Miscellaneous Expenses

Appropriation		1,800.00
EXPENDED		
Lighting Old South Clock	180.15	
Care of Old South Clock, two years	100.00	
Card for Memorial Tablet	10.00	
Printing	11.00	
Flags	36.88	
J. H. Sheldon, Sec'y Fin. Com.	50.00	
Printing Town Reports	833.25	
Printing Finance Com. Reports	55.40	
Postage	2.25	
Picture Community Day	17.10	
Lettering Honor Roll	13.25	
Removing stand at Playground	7.50	
Repairs on Parker Tavern	14.06	
Penalty Sec. 42, Chap. 81, R. L.	111.00	
Incidentals	21.06	
Repairs Playground	8.65	
	1,471.55	
Transferred to Excess and Deficiency Account	328.45	
		1,800.00

Care of Central Fire Station

Appropriation		600.00
Transferred from Excess and Deficiency Account		22.53
		622.53

EXPENDED

Lighting	151.61	
Supplies	18.12	
Fuel	419.87	
Labor	6.51	
Repairs	17.67	
Flags	8.75	
		622.53

Unpaid Bills

W. Bancroft & Co., fuel	236.12
Francis Bros., Supplies	1.62
Hodson Bros., repairs	11.75
Hodson Bros., repairs	5.00
Mun. Light Dept., lighting	41.74
	296.23

Care of Town Office Building

Balance from 1918		301.27
Appropriation		2,000.00
		2301.27

EXPENDED

Transferred to Highway Dept. for teaming fuel	20.40	
Janitor's service	715.50	
Lighting	449.85	
Supplies	43.61	
Towels	12.75	
Labor on grounds	68.50	
Fuel	273.53	
Express	2.64	
Signs	31.50	
Cost of Walk	29.68	
Water rates	12.43	
Repairs	88.60	
	1,748.99	
Transferred to Excess and Deficiency Account	100.04	
		1,849.03
Balance to 1920		452.24

Unpaid Bills

Municipal Light Board, fuel	62.89	
Municipal Light Board, lighting	39.10	
	101.99	

Insurance

Appropriation		1,500.00
RECEIVED		
Return premiums		113.89
		1,613.89
EXPENDED		
To Sundry Parties	1,581.90	
Transferred to Excess and Deficiency Account	31.99	
		1,613.89

Lighting G. A. R. Hall

Appropriation		50.00
EXPENDED		
Mun. Light Department	12.53	
Transferred to Excess and Deficieny Account	37.47	
		50.00

Block System Survey

Balance from 1918	206.83
Balance to 1920	206.83

Central Fire Station Alterations

Balance from 1918		418.22
EXPENDED		
Bath room	220.00	
Painting	14.45	
Labor and material	183.77	
		418.22

New Town Building

Balance from 1918	169.45
Transferred Town Building Acct. ..	169.45

Remodeling John St. School House

Appropriation		1,687.00
Transferred from Highway	71.22	
Transferred from E. and D. Account	36.00	
		107.22
		1,794.22

EXPENDED

Transferred to Highway Department, cement	163.50	
Pay roll	647.75	
Setting glass	26.51	
Labor and material	421.22	
Supplies	23.39	
Lumber	48.59	
Express	10.00	
Doors and frames	169.25	
Posts	23.42	1,533.63
Balance to 1920		260.59

New Town Building Construction

Balance from 1919	158.07	

RECEIVED

Sale of stone	8.00	
		166.07

EXPENDED

Labor	22.25	
Book case	6.80	
Brick walk	137.02	
		166.07

Plans for Municipal Garage

Appropriation		150.00

EXPENDED

Walter B. Nichols, plans	40.00	
Adden & Parker, plans	100.00	
Transferred to Excess and Deficiency Account	10.00	
		150.00

PREMIUMS

Balance from 1919		1,928.20
Balance to 1920		1,928.20

HOSE 2 EQUIPMENT

Appropriation		1,000.00
TRANSFERRED		
To Highway, sand and cement	17.50	
EXPENDED		
Ford chassis	590.00	
War tax	37.80	
Bracket	1.10	
Supplies	24.36	
Express	6.10	
		676.86
Balance to 1920		323.14

AGRICULTURAL AND HOME ECONOMICS

Appropriation		50.00
EXPENDED		
Middlesex County Bureau		50.00

WATER MAIN, SOUTH STREET

Appropriation		1,500.00
TRANSFERRED		
To Excess and Deficiency Account		1,500.00

PROTECTION TO PERSONS AND PROPERTY

POLICE DEPARTMENT

Appropriation		7,210.00
TRANSFERRED		
From Excess and Deficiency Account		503.98
RECEIVED		
From sundry sources		56.00
		7,769.98
EXPENDED		
Pay roll, Chief and Patrolmen	6,452.05	
Telephone	95.29	
Printing	31.75	
Auto maintenance and supplies	129.29	

J. Cullinane, expenses	23.33	
Express	3.05	
Auto hire	73.50	
Ford automobile	571.81	
Auto list	18.00	
Clock	16.00	
Patrol boxes and equipment	302.69	
Signs	12.00	
Incidentals	41.22	
		7,769.98

UNPAID BILLS

Reading Garage	25.02	
Reading Garage	11.85	
Wm. Newhouse, care of signs	10.00	
Donald Patrick, care of signs	5.00	
N. E. Tel. & Tel. Co., telephone	4.24	
	56.11	

FIRE DEPARTMENT

Appropriation		11,050.00
Appropriation, Call Men		625.00
Appropriation, coats		200.00
Appropriation, tires		679.00
		12,554.00

TRANSFERRED

To Surplus Overlays		156.00

RECEIVED

From sundry sources		62.16
		12,772.16
Transferred from Excess and Deficiency Account		202.76
		12,974.92

EXPENDED

Pay roll, Chief & Permanent Firemen	6,630.00	
Pay roll, Call Men	2,583.43	
	9,213.43	
Supplies	420.58	
Gas	210.93	
Fuel	54.40	
Telephone	69.69	

Ford chassis	125.00	
Painting Knox truck	225.00	
Water	28.56	
Horse hire	180.00	
Express	43.40	
Laundry	51.87	
Repairs	513.42	
L. T. Eames, Supt. fire alarm	100.00	
Labor	115.34	
Lighting and incidentals	59.80	
Printing	6.25	
Tires for trucks	1,336.00	
Removing ashes	15.00	
	12,768.67	
Coats for firemen	206.25	
		12,974.92

UNPAID BILLS

P. N. Sweetser, fuel	87.65	
Reading Laundry, laundry	10.64	
Malden & Melrose Gas Co., gas	7.80	
N. E. Tel. & Tel. Co., telephone	11.80	
J. J. Cameron, supplies	.50	
Jenney Mfg. Co., gasoline	39.24	
Francis Bros., supplies	1.51	
Francis Bros., supplies	3.21	
F. F. Smith, supplies	1.16	
F. Wallace, supplies	.50	
Earl H. Chapin, supplies	2.50	
Foster, McDonald & Co., supplies	1.48	
	167.99	

FIRE ALARM REPAIRS

Appropriation		350.00
TRANSFERRED		
From Excess and Deficiency Account		23.03
		373.03
EXPENDED		
Pay roll	223.50	
Supplies	149.53	
		373.03

Hydrant Rentals

Appropriation		6,030.00
EXPENDED		
Reading Water Works		6,030.00

Moth Department

Appropriation		6,000.00
TRANSFERRED		
From Tree Warden Dept.		140.00
		6,140.00
EXPENDED		
Pay roll	4,539.09	
Ladder	31.82	
Telephone	16.58	
Repairs	52.32	
Cement	1.60	
Supplies	138.03	
Printing	20.50	
Storage, machines	101.00	
Express and freight	22.10	
Services, Treasurer	25.00	
H. M. Donegan, expenses	11.92	
Incidentals	12.40	
Insecticide	142.00	
Damage spraying	10.00	
Office supplies	17.50	
Engine	175.00	
Hose	75.00	
Insurance	291.83	
Lead	126.00	
		5,809.69
Balance to 1920		330.31

Forest Warden

Appropriation		450.00
RECEIVED		
From sundry sources		5.33
		455.33

EXPENDED

Ford chassis	175.00	
H. M. Donegan, Assistant Deputy	15.00	
Supplies	48.70	
Telephone	3.86	
Repairs	8.61	
Brooms	11.00	
Labor	4.00	
Sign	7.00	
	273.17	
Transferred to Excess and Deficiency Account	7.16	
		280.33
Balance to 1920		175.00

TREE WARDEN

Appropriation		500.00

TRANSFERRED

From General Revenue		90.00
		590.00

TRANSFERRED

From Moth Account, labor	140.00	

EXPENDED

H. M. Donegan, Tree Warden	50.00	
Pay roll	306.91	
Trees	48.00	
Supplies	18.71	
Repairs	5.62	
	569.24	
Transferred to Excess and Deficiency Account	20.76	
		590.00

INSPECTION

INSPECTOR OF WIRES

Appropriation	100.00

EXPENDED

Arthur G. Sias, Inspector	100.00

SEALER OF WEIGHTS AND MEASURES

Appropriation		300.00
EXPENDED		
Carl M. Smith, S. of W. & M.:		
2 months at rate of $225	37.50	
10 months at rate of $300	250.00	
	287.50	
Transferred to Excess and Deficiency Account	12.50	
		300.00

OTHER EXPENSES

Appropriation		115.00
EXPENDED		
C. M. Smith, expenses	8.65	
Expense to Convention	5.00	
Testing measures	6.00	
Express	2.79	
Use of automobile	12.75	
Supplies	34.62	
Dies	9.76	
Printing	6.00	
	85.57	
Transferred to Excess and Deficiency Account	29.43	
		115.00

BUILDING INSPECTOR'S SALARY

Appropriation		300.00
EXPENDED		
George H. Sidebottom, Inspector		300.00

OTHER EXPENSES

Appropriation		30.00
EXPENDED		
Telephone	25.02	
Transferred to Excess and Deficiency Account	4.98	
		30.00

HEALTH AND SANITATION

Health Dept. Salaries

Appropriation		250.00
EXPENDED		
Lemuel W. Allen, Sec'y	100.00	
Dr. E. M. Halligan, Chairman	75.00	
Dr. C. H. Playdon	75.00	
		250.00

Health Dept. Maintenance

Appropriation		1,150.00
RECEIVED		
From cities and towns		149.89
TRANSFERRED		
From Excess and Deficiency Account		133.95
		1,433.84
EXPENDED		
David Taggart, Plumbing Inspector	600.00	
Carl M. Smith, Milk Inspector	100.00	
Dr. C. H. Playdon, Animal Inspector	200.00	
J. Howard Eames, Slaugh. Inspector	85.83	
Geo. L. Flint, Slaughtering Inspector	261.00	
	1,246.83	
Express	10.07	
Printing	20.00	
Telephone	25.60	
Supplies	9.69	
Ambulance	13.00	
Disinfectants	40.80	
Milk-testing machines	67.85	
		1,433.84

Contagious Diseases

Appropriation		650.00
EXPENDED		
Rutland Sanitarium	154.29	
Mass. Homeopathic Hospital	234.50	
No. Reading Sanitorium	158.86	
Town of Stoneham	31.37	
Printing	12.75	
	591.77	
Transferred to Excess and Deficiency Account	58.23	
		650.00

UNPAID BILLS

City of Malden	168.85	

SEWER DEPARTMENT CONSTRUCTION

Balance from 1918		3,713.27
EXPENDED		
Bruno & Pettiti, contract	2,627.97	
H. E. Smith, labor	50.00	
Boston Iron Co., castings	755.64	
Fred F. Smith, pipe and castings	198.00	
W. A. Snow Iron Works, fittings	13.44	
Express	.68	
Composition	20.75	
		3,666.48
Balance to 1920		46.79

SEWER DEPARTMENT SALARIES

Appropriation		225.00
EXPENDED		
John W. Owen, Chairman	75.00	
Charles R. Herrick	75.00	
Edward J. Dahill	75.00	
		225.00

OTHER EXPENSES

Appropriation		100.00
EXPENDED		
John W. Owen, expenses	8.50	
Telephone	34.28	
Printing	20.65	
Typewriting	.50	
Cabinet	19.55	
	83.48	
Transferred to Excess and Deficiency Account	16.52	
		100.00

CHARITIES

Poor Department

Appropriation		3,000.00
RECEIVED		
From sundry sources		56.00
		3,056.00
Salaries:		
J. E. Frost, Chairman	100.00	
William S. Kinsley, Sec'y	83.34	
Edwin L. Hutchinson	100.00	
Edgar O. Dewey	16.66	
	300.00	
Burials	120.00	
Boots and shoes	32.25	
Cash aid	542.00	
Clothing	25.75	
Fuel	280.18	
Groceries and provisions	868.24	
Professional services	52.00	
Nursing	172.32	
Rent	231.00	
Ambulance	10.00	
Helen Nowell, services	140.00	
Incidentals	52.07	
Board	84.36	
	2,910.17	
Transferred to Excess and Deficiency Account	145.83	
		3,056.00

Unpaid Bills

Helen Nowell, services	20.00
Reading Visit. Nurse Ass'n, nursing	4.00
	24.00

Town Home

Appropriation	3,700.00
RECEIVED	
For board	267.00
For telephone tolls	.92
Transferred from Excess and Deficiency Account	115.25
	4,083.17

EXPENDED

L. A. Deming, Superintendent ...	600.00	
L. A. Deming, labor	332.00	
	932.00	
Hay and grain	421.35	
Groceries and provisions	1,331.13	
Lighting	67.96	
Supplies	118.40	
Dry goods	24.38	
Harness	35.40	
Live Stock	151.00	
Horse	300.00	
Wagon	25.00	
Fuel	125.73	
Repairs	107.57	
Ice (2 years)	75.84	
Professional services	48.50	
Clothing	16.31	
Burial	50.00	
Pasturing	18.00	
Telephone	34.05	
Water rates	34.56	
Spraying	12.00	
Labor	122.79	
Incidentals	31.20	
		4,083.17

UNPAID BILLS

W. H. Willis, supplies	5.69	
Mun. Light Dept., lighting	11.73	
G. H. Atkinson Co., groceries	64.76	
Wendell Bancroft & Co., fuel	41.43	
Angelo Zanni, labor	12.00	
Francis Bros., hardware	7.58	
Dr. C. H. Playdon, services	4.00	
	147.19	
P. N. Sweetser, fuel	88.08	
	235.27	

MOTHERS' AID

Appropriation		1,200.00
TRANSFERRED		
From Excess and Deficiency Account		699.87
		1,899.87
EXPENDED		
Sundry persons		1,899.87

NOTE—$432 of the above to be refunded by the Commonwealth of Massachusetts

THE COMMONWEALTH OF MASSACHUSETTS

Balance due from 1918	1,201.78	
RECEIVED		
From the Commonwealth		1,230.80
EXPENDED		
Aid, sundry persons	1,719.63	
	2,921.41	
Amount due from Commonwealth		1,690.61
		2,921.41

COMMONWEALTH OF MASSACHUSETTS—TEMPORARY AID

Balance from 1918	1,016.30	
RECEIVED		
From the Commonwealth		332.05
EXPENDED		
Aid, sundry parties	918.35	
	1,934.65	
Due from The Commonwealth		1,602.60
		1,934.65

SOLDIERS' BENEFITS—STATE AID

Balance from 1918	3,186.36	
RECEIVED		
From The Commonwealth		3,203.16
EXPENDED		
Aid, sundry persons	1,631.00	
	4,817.36	
Due from The Commonwealth		1,614.20
		4,817.36

PUBLIC LIBRARY

Appropriation		3,000.00
TRANSFERRED		
From Excess and Deficiency Account		96.23
		3,096.23
EXPENDED		
Salaries:		
Miss Bertha L. Brown, Librarian	500.00	
Miss Grace Abbott	97.28	
Miss Claire Haag	19.33	
	1,085.86	
Charles Stinchfield, janitor	469.25	
Bertha L. Brown, expenses	9.62	
Books	770.72	
Directory and periodicals	225.17	
Express	4.19	
Fuel	227.54	
Furniture	40.00	
Lighting	90.33	
Installing lights	82.50	
Service connections	96.23	
Printing	60.75	
Water rates	6.69	
Repairs	97.35	
Supplies	22.26	
	2,819.21	
Transferred to Excess and Deficiency Account	142.64	
		2,961.85
Balance to 1920		134.38

Unpaid Bills

P. N. Sweetser, fuel	134.38

New Public Library Building

Balance from 1918	854.92
Balance to 1920	854.92

RECREATION AND CELEBRATIONS

Memorial Day

Appropriation		250.00
EXPENDED		
Reading Brass Band	75.00	
Lunches	11.85	
Flowers	145.37	
	232.22	
Transferred to Excess and Deficiency Account	17.78	
		250.00

Rent of Play Ground

Appropriation		342.00
EXPENDED		
Mrs. Kirk Sweetser		342.00

Soldiers' and Sailors' Welcome

Appropriation		1,000.00
RECEIVED		
Sale of cigars		7.20
TRANSFERRED		
From Excess and Deficiency Account		800.00
		1,807.20
EXPENDED		
Advertising and printing	101.50	
Badges	315.10	
Cards	1.00	
Music	327.50	
Address	80.00	
Policing	30.00	
Decorations	300.50	
Rent of hall	17.00	
Collation	280.25	
Cigars	36.60	
Taxi service	10.00	
Artists' entertainment	200.00	
	1,699.45	
Transferred to Excess and Deficiency Account	107.75	
		1,807.20

Care of Common and Parks

Appropriation		550.00
EXPENDED		
Labor	211.21	
Lawn mower	19.85	
Repairs to band stand	31.40	
Supplies	7.03	
Christmas tree	65.00	
		334.49
Balance to 1920		215.51

Memorial Park

Balance from 1918		34.55
Appropriation		1,000.00
RECEIVED		
From Miss Pierce and Temple heirs		800.00
From sundry sources		90.00
		1,924.55
EXPENDED		
Labor and sand	67.60	
Labor, care of Park	591.90	
Supplies	55.97	
Lumber	176.57	
Gate	49.00	
Tablet	230.00	
Express and freight	21.01	
Printing	3.00	
Materials	69.70	
Plumbing old barn	300.00	
New equipment	279.13	
		1,843.88
Balance to 1920		80.67

CEMETERIES

Laurel Hill Cemetery

Appropriation		1,500.00
RECEIVED		
From Trust Fund for perpetual care		907.50
TRANSFERRED		
From sale of lots and graves		4,200.00
		6,607.50

EXPENDED

Pay roll	2,507.30	
P. Caproni, contract	2,493.20	
E. P. Bancroft, teams	263.04	
E. C. Hanscom, teams	361.48	
Henry Carroll, labor	57.88	
A. W. Danforth, Secy, salary and expenses	108.25	
Loam	71.50	
Fertilizer	69.00	
Repairs	17.75	
Signs	24.65	
Lawn mower	20.50	
Flowers and shrubs	348.65	
Carving letters	55.73	
Express	1.63	
Survey	117.55	
Lumber	35.70	
Supplies	18.15	
	6,571.96	
Transfer to sales of lots and graves	35.54	
		6,607.50

SOLDIERS' RELIEF

Appropriation		900.00

TRANSFERRED

From Excess and Deficiency Account		108.00
		1,008.00

EXPENDED

Aid, sundry persons		1,008.00

BURIAL OF SOLDIERS

Balance from 1918	40.00	

TRANSFERRED

To Excess and Deficiency Account	10.00	
		50.00

RECEIVED

From Commonwealth of Mass.	50.00

HIGHWAYS, BRIDGES AND SIDEWALKS

Highway Maintenance

Appropriation		$ 20,000.00
RECEIVED		
Sale of transit	$ 58.00	
Town of Wakefield	320.00	
Sundry parties	91.00	
		469.00
TRANSFERRED		
From Scarifier Account		24.00
From Hose 2 Equipments, cement		17.50
From Union-St. School, material		163.50
From Woburn St., truck		60.00
From Summer Ave., truck		140.00
From High St., truck and roller		210.00
From Salem St., truck		540.00
From oiling truck ($120), tarvia ($540)		660.00
From Town Buildings, teaming		20.40
From Forest St., labor		24.92
		$ 22,329.32
Balance from 1918	$ 355.50	
TRANSFERRED		
John-St. School, labor	71.22	
EXPENDED		
E. H. Crowe, Superintendent	1,525.03	
Pay roll	6,926.10	
	8,451.13	
Truck auto car	3,000.00	
Ford car	314.58	
Gravel pit	800.00	
Tar kettle	300.00	
Concrete mixer	676.20	
Tools	1,092.81	
Tires for truck	574.41	
Cement	310.50	
West St. surface water	366.13	
Asphalt	594.00	
Rock	397.40	
Building wall	140.00	
Freight and express	115.96	
Tarvia	1,026.32	

Oil	82.61	
Sidewalk repairs	219.86	
Auto supplies, repairs and storage	914.33	
Teaming	73.60	
Fuel	191.89	
Insurance	837.40	
Incidentals	183.02	
Telephone	31.14	
Supplies	746.45	
Repairs	465.86	
		$ 22,329.32

UNPAID BILLS

Burgess & Allen, insurance	642.45	

SUMMER AVENUE

Appropriation		$ 1,000.00
TRANSFERRED		
To Highway Dept., truck	$ 140.00	
EXPENDED		
Pay roll	110.24	
Oil	290.50	
Fuel	35.28	
		576.02
Balance to 1920		423.98

SALEM STREET MACADAM

Appropriation		5,000.00
TRANSFERRED		
To Highway Dept., use of truck	$ 540.00	
EXPENDED		
Pay roll	994.52	
Stone	276.46	
Fuel	34.31	
Teaming	71.44	
Tarvia	1,096.90	
Tar	770.00	
Repairs, tools	12.75	
		3,796.38
Balance to 1920		1,203.62

NORTH MAIN STREET SIDEWALK

Appropriation		500.00
EXPENDED		
Pay roll		105.00
Balance to 1920		395.00

WEST STREET SURFACE WATER

Balance from 1918	$	500.00
EXPENDED		
A. Michelini & Sons		500.00

DRINKING FOUNTAINS

Appropriation	100.00
EXPENDED	
Reading Water Works	100.00

HIGH STREET

Balance from 1918	394.09
EXPENDED	
Transferred to Highway Dept.: Truck, $80; roller, $60; labor, $70	210.00
Balance to 1920	184.09

WEST STREET RESURFACING

Appropriation	700.00
Balance to 1920	700.00

STREET LIGHTING

Appropriation	14,450.00
EXPENDED	
Municipal Light Board	14,450.00

WOBURN STREET, FROM R. R. CROSSING

Appropriation		500.00
TRANSFERRED		
To Highway Dept., truck	$ 60.00	
EXPENDED		
Pay roll	29.24	
Fuel	14.11	
		103.35
Balance to 1920		396.65

Scarifier and Tar Kettle

Appropriation		750.00
EXPENDED		
Scarifier	926.00	
Kettle	50.00	
TRANSFERRED		
To Highway Dept. for labor	24.00	
	1,000.00	
Balance to 1920		250.00
		1,000.00

Snow and Ice

Appropriation		2,000.00
EXPENDED		
Pay roll	446.90	
Sand	124.37	
Snow plows	240.00	
Steel for repairing plows	167.93	
Repairs	3.15	
	982.35	
Transferred to Excess and Deficiency Account	1,017.65	
		2,000.00

Dust Laying

Appropriation		3,500.00
Transferred for use of truck and tarvia	660.00	
Transferred to Excess and Deficiency Account	26.93	
	686.93	
EXPENDED		
Pay roll	580.45	
Oil	1,710.22	
Freight and demurrage	522.40	
		3,500.00

Concrete Sidewalk Repairs

Appropriation		1,000.00
EXPENDED		
T. A. Mulroney, contract		1,000.00

PROSPECT STREET

Balance from 1918		500.00
Balance to 1920		500.00

FOREST STREET

Balance from 1918		524.35
TRANSFERRED		
To Highway Dept., for labor	24.92	
EXPENDED		
Pay roll	34.50	
		59.42
Balance to 1920		464.93

EDUCATION

SCHOOL DEPARTMENT MAINTENANCE

Appropriation, general account		72,500.00
RECEIVED		
From sundry sources		217.33
		$ 72,717.33
EXPENDED		
Teachers' and Supt.'s salaries	47,609.71	
Janitors' salaries	4,359.75	
Attendance Officer's salary	350.00	
Medical inspection	100.00	
Total salaries	52,419.46	
Transportation, street railways	1,070.00	
Automobile	764.75	
Tuition and truants	43.85	
Books	2,259.64	
Supplies for pupils	2,877.83	
Apparatus for teaching	630.01	
General Expenses:		
Printing, etc.	60.54	
Office supplies	217.06	
Telephones	325.28	
Graduation, miscellaneous	311.44	
Fuel	6,575.53	
Building Maintenance:		
Gas and lighting	495.92	

Water	371.15	
Trucking, etc.	475.07	
Janitors' supplies	487.95	
Repairs:		
Buildings	2,398.70	
Furniture	631.35	
Grounds	297.90	
	72,713.43	
Balance transferred to Excess and Deficiency Account	3.90	
General Account total		$ 72,717.33

TUITION TO INDUSTRIAL SCHOOLS

Appropriation, Special Account		$ 350.00
EXPENDED		
Tuitions paid	80.25	
Balance transferred to Excess and Deficiency Account	269.75	
		350.00

AGRICULTURAL DEPARTMENT

Appropriation, Agricultural Account		4,499.89
EXPENDED		
Teachers' salaries	3,229.87	
Janitors' salaries, light, fuel, repairs	602.50	
Books and supplies	653.31	
	4,485.68	
Transferred to Excess and Deficiency Account	14.21	
		4,499.89

SMITH-HUGHES FUND

Balance from 1918		156.39
Received from Federal Government		230.13
		386.52
EXPENDED		
Teachers' salaries	230.13	
Supplies	70.00	
Transferred to Agricultural Acct.	86.39	
		386.52

MUNICIPAL INDUSTRIES

Municipal Light Department and Water Department

(For details see respective reports)

Municipal Indebtedness Maturing in 1919

Appropriation		$ 26,300.00
Amount paid by Mun. Light Dept.		14,800.00
Amount paid by Water Dept.		3,200.00
RECEIVED		
From Mun. Light Dept.		11,000.00
		$ 55,300.00
EXPENDED		
Balance due from Mun. Light Dept.	$ 11,000.00	
Municipal Light loans	14,800.00	
High School Building	4,000.00	
Grouard Estate	1,000.00	
Water loans	14,000.00	
Current Expense bonds	1,200.00	
Library Building	1,000.00	
H. & L. and Comb. Truck	1,500.00	
Richardson Estate	500.00	
School Extension	1,000.00	
Brown Estate	500.00	
Sewer Construction	1,000.00	
Town Office Building	2,000.00	
Grading loan	1,300.00	
Public Library and Town Office Building Furnishings	500.00	
		$ 55,300.00

Interest Account

Appropriation		18,800.00
Balance from 1918	$ 3,986.62	
EXPENDED		
Interest on Temporary Loans	7,658.06	
Interest on Sewer Loans	4,200.00	
Interest on School Loans	1,539.00	
Interest on General Loans	3,076.50	
Interest on Cemetery Perpet'l Care	142.32	
	20,602.50	
Balance to 1920		1,802.50
		$ 20,602.50

SCHEDULE OF REAL ESTATE AND PERSONAL PROPERTY OWNED BY TOWN OF READING, DECEMBER 31, 1919

Schools

Buildings and land	$ 214,000.00	
Personal	15,000.00	
		$ 229,000.00

Parks

Common	10,000.00	
Band Stand	500.00	
Mayall Park	500.00	
Washington Park	500.00	
		11,500.00

Town Buildings

Central Fire Station	21,400.00	
Grouard Estate	10,700.00	
Police (personal)	311.50	
New Town Office Building	50,000.00	
New Library Building	20,000.00	
		102,411.50

Fire Department

Fire Houses	6,600.00	
Personal	20,905.00	
		27,505.00

Libraries

Personal	3,500.00

Water Department

Buildings and land	52,100.00	
Machinery and tools	50,000.00	
		102,100.00

Highways

Tool house	500.00	
Personal	13,375.00	
		13,875.00

Poor Department

Town Home	9,500.00	
Personal (Town Home)	2,589.60	
		12,089.60

LAND

Land off Grove St., near golf links	200.00	
Land west of John Street	50.00	
Land west of John Street	50.00	
Land Ash Street, near railroad	1,200.00	
		1,500.00

CEMETERY

Land (estimated)	25,000.00	
Tool house	100.00	
Personal	200.00	
		25,300.00

MUNICIPAL LIGHT DEPARTMENT

Building and land	22,976.81	
Personal	286,338.16	
		309,314.97
Total value of real and personal property, Dec. 31, 1919		$ 838,096.07

EXEMPTED PROPERTY

The following is a schedule of property used for religious and other purposes and by law exempt from taxation, as reported by the Assessors, December 31, 1919:

Baptist Society	$ 26,000.00
Congregational Society	86,350.00
Old South M. E. Church	43,000.00
Christian Union Society	26,500.00
St. Agnes' Roman Catholic Church	48,600.00
Home for Aged Women	5,800.00
Quannapowitt Agricultural Ass'n	13,800.00
Fathers' and Mothers' Club	3,850.00
U. S. Gov't P. O. Dept., land	6,500.00
	$ 260,400.00

REPORT OF CEMETERY TRUSTEES

Reading, Mass., January 21, 1920.

To the Honorable Board of Selectmen and Citizens of Reading:

The Trustees of the Cemetery submit the following report:—

A large amount of labor has been done this year in preparing new lots. Two large knolls have been cut down to the proper level for the purpose, which will provide nearly one hundred good lots.

This was very much needed, as we had really got to the point where only two or three were available. There is much more work to be done in that line the coming season.

We are much troubled by the children playing, coasting, etc., in the Cemetery, and now request the parents to help us by showing them it is not the proper place for it.

The increased number of lots, paths and avenues to care for and the increase of wages demanded make it necessary to ask for a larger appropriation for the general care. It cannot properly be done for less than two thousand dollars ($2,000), and that amount we ask for.

The Town Accountant's Report contains our Financial Report.

Very respectfully,

A. W. DANFORTH, Superintendent,
For the Trustees.

REPORT OF INSPECTOR OF PLUMBING

To the Honorable Board of Health:

Gentlemen—The work of this department for the year ending Dec. 31, 1919, was as follows:

Permits granted	63
Number of fixtures installed	256
Bath tubs installed	42
Closets	63
Lavatories	49
Sinks	46
Showers	2
Urinals	1

This is a large increase over last year.

Respectfully submitted,

DAVID TAGGART,
Inspector of Plumbing.

REPORT OF BOARD OF HEALTH

We are pleased to report that during the past year we have had the smallest number of contagious diseases that have been reported for many years. The total number reported for the year 1918 was 992; for the year 1919, 40—a difference of 952 cases.

The following are the cases reported for 1919:

	1919	1918
Chicken Pox	8	28
Diphtheria	3	7
Influenza	5	891
Measles	0	8
Victory Measles	0	22
Pneumonia	11	8
Scarlet Fever	7	5
Typhoid Fever	1	4
Tuberculosis	5	11
Whooping Cough	0	8
	40	992

Seventy-five (75) licenses were issued to keep swine.

This year (1920) no swine will be allowed to be kept within one-half (1-2) mile of the Municipal Building.

Every person desiring to keep swine must obtain a permit by April 30, 1920.

We are endeavoring to regulate the collection of garbage in the town by an article in the Town by-laws.

The deaths for the past year will be found in the Town Clerk's report.

Respectfully submitted,

E. M. HALLIGAN, M.D., Chairman,
L. W. ALLEN, Secretary,
C. H. PLAYDON,
Board of Health.

REPORT OF OVERSEERS OF THE POOR

PERSONAL PROPERTY AT THE TOWN HOME DECEMBER 31, 1919

Live Stock	$	1,059.00
Hay, grain and feed		320.00
Wagons, carts and sleighs		260.00
Fuel		205.00
Provisions and supplies		285.00
Beds, bedding, furniture and utensils		641.20
Farm tools, etc.		356.90
	$	3,127.10

J. EDWARD FROST, Chairman
WILLIAM S. KINSLEY, Secretary
EDWIN L. HUTCHINSON
Overseers of the Poor.

Twenty-fifth Annual Report

OF THE

Electric Light Commissioners

For the Year Ending December 31

1919

OFFICERS OF THE ELECTRIC LIGHT AND POWER DEPARTMENT

Commissioners

FRANK E. CRAFTS, *Chairman* . .	Term expires 1922
GEORGE L. FLINT, *Secretary* . . .	Term expires 1921
WILLIAM G. LONG	Term expires 1920

Manager

ARTHUR G. SIAS

Office

MUNICIPAL BUILDING

MANAGER'S REPORT

To the Municipal Light Board, Reading, Mass.

Gentlemen—I respectfully submit herewith my report for the year ending December 31, 1919, which I have arranged in practically the same form as in the past two years:

Operating Account

CREDITOR

By commercial lighting	$ 59,893.54	
By commercial power	22,566.67	
By municipal lighting	1,218.68	
By municipal power	2,077.11	
By cooking and heating	4,197.60	
By power to Wakefield	82.54	
By power to Lowell Electric Light Corporation	148.40	
By street lighting, North Reading	3,242.09	
By street lighting, Wilmington	5,774.93	
By street lighting, Lynnfield	1,642.54	
By total income		$ 100,844.10

DEBTOR

To fuel	$ 27,372.51	
To oil and waste	248.16	
To water	129.15	
To wages at station	13,681.45	
To repairs, real estate	37.42	
To repairs, steam plant	2,097.94	
To repairs, electric plant	539.84	
To station tools, etc.	900.51	
To manufacturing cost		$ 45,006.98

To distribution wages	$ 2,395.16	
To repair lines, lamps & meters, etc.	4,827.01	
To incandescent lamps, commercial	265.28	
To Street Series lamps renewals	1,334.47	
To distribution tools, etc.	208.36	
To garage expense	4,833.86	
To distribution cost		$ 13,864.14
To general salaries	6,979.58	
To Municipal Light Board salaries	225.00	
To committee expense	389.55	
To office expense	3,178.26	
To rent of office and stock room	150.00	
To insurance	2,504.17	
To taxes	447.90	
To miscellaneous expenses		$ 13,874.46
To total operating expenses		$ 72,745.58
Balance to profit and loss		28,098.52
		$ 100,844.10

Profit and Loss Account

CREDITOR

By balance Dec. 31, 1918	$ 51,515.25	
By pole rentals	401.55	
By interest on bank balances	255.85	
By balance of Operating Account	28,098.52	
By balance of Jobbing	134.38	
By appropriation for street lights	14,450.00	
By premiums and accrued interest	308.33	
By total		$ 95,163.88

DEBTOR

To transfer to Loans Repay. Acct.	$ 58,400.00	
To bonds paid in 1919	10,000.00	
To notes paid in 1919	4,800.00	
To interest incurred	7,416.21	
To depreciation allowed	10,419.76	
Bad debts	266.18	
By total	$ 91,302.15	
Balance as of Dec. 31, 1919	3,861.73	
		$ 95,163.88

Balance Sheet

ASSETS

Land	$ 2,575.80	
Buildings	20,401.01	
Steam plant	75,855.26	
Electric plant	42,162.36	
Lines	116,480.83	
Transformers	18,460.55	
Meters	20,603.34	
Street lights	12,775.82	
Inventory of fuel	5,447.53	
Inventory of oil and waste	101.74	
Inventory of repairs, steam plant	288.81	
Inventory of station tools, etc.	1,031.66	
Inventory of repairs of lines	945.05	
Inventory of stock	6,885.99	
Inventory of repairs, street lights	414.26	
Inventory of incandescent lamps, commercial	1,382.12	
Inventory of distribution tools, etc.	707.60	
Inventory of garage expense	1,181.62	
Inventory of jobbing account	5,361.00	
Inventory of office expense	1,425.25	
Unexpired insurance	607.45	
Accounts receivable, electric	14,614.20	
Accounts receivable, sundries	8,720.23	
Cash in construction fund	738.82	
Cash in depreciation fund	438.80	
Cash in operation fund	217.03	
Cash in deposit fund	822.47	
Total assets		$ 360.646.60

LIABILITIES

Appropriations for construction	$ 30,678.26	
Loans repayment account	134,600.00	
Bonds outstanding	129,000.00	
Notes outstanding	38,300.00	
Deposits	822.47	
Interest accrued, but not due	1,935.55	
Accounts payable, operation	21,448.59	
Total liabilities		$ 356,784.87
Surplus		3,861.73
		$ 360,646.60

Re-Construction Fund

DEBTOR

To balance Dec. 31, 1918	$ 14,978.77	
To sale of generator	1,300.00	
To transfer depreciation fund	1,221.23	
To transfer construction fund	1,000.00	
To appropriations 1919	18,000.00	
		$ 36,500.00

CREDITOR

By additions land	$ 953.60	
By additions buildings	4,571.16	
By additions steam plant	12,618.04	
By additions electric plant	15,818.98	
By additions lines	1,363.48	
By additions transformers	1,174.74	
		$ 36,500.00

Construction Fund

DEBTOR

To transfer from Depreciation Fund	$ 7,629.51	
To Appropriation	5,000.00	
		$ 12,629.51

CREDITOR

By additions to steam plant	$ 25.00	
By additions to lines	7,448.90	
By additions to transformers	462.73	
By additions to meters	2,366.75	
By additions to street lights	587.31	
By transfer to Re-construction Fund	1,000.00	
By balance Dec. 31, 1919	738.82	
		$ 12,629.51

Operation Fund

DEBTOR

To balance Dec. 31, 1918	$ 2,669.07	
To receipts from customers	127,713.10	
To appropriation from tax levy	14,450.00	
To appropriation for fuel	6,500.00	
To interest on bank balance	255.85	
		$ 151,588.02

CREDITOR

By operating expenditures	$ 119,124.18	
By transfer to Depreciation Fund	10,419.76	
By bonds retired	10,000.00	
By notes retired	4,800.00	
By interest paid	7,031.13	
By balance Dec. 31, 1919	212.95	
		$ 151,588.02

Depreciation Fund

DEBTOR

To balance Dec. 31, 1918	$ 245.70	
To transfer from Operation Fund	10,419.76	
		$ 10,665.46

CREDITOR

By transfer to Construction Fund	$ 7,992.86	
By transfer to Reconstruction Fund	1,224.02	
By renewals	1,009.78	
By balance Dec. 31, 1919	438.80	
		$ 10,665.46

Cost of Plant

Cost as of December 31, 1918		$ 348,871.08

ADDITIONS

Land	$ 341.10	
Buildings	2,382.36	
Steam plant	14,492.98	
Electric plant	11,171.14	
Lines	7,662.94	
Transformers	1,685.18	
Meters	2,370.64	
Street lights	587.31	
		$ 40,693.65
Total cost December 31, 1919		$ 389,564.73

Lynnfield Extension

Total investment to Dec. 31, 1919:		
Lines	$ 13,327.05	
Incandescent street lights	1,164.68	
Meters	1,769.85	
Transformers	1,547.12	
		$ 17,808.70

NORTH READING EXTENSION

Total investment to Dec. 31, 1919:		
Electric plant	$ 440.12	
Lines	26,159.75	
Incandescent street lights	1,787.02	
Meters	2,134.14	
Transformers	2,741.50	
		$ 33,262.53

WILMINGTON EXTENSION

Total investment to Dec. 31, 1919:		
Electric plant	$ 677.18	
Lines	44,128.51	
Incandescent street lights	2,649.82	
Meters	2,147.35	
Transformers	3,315.96	
		$ 52,868.82

The amount of business done during 1919 was considerably in excess of my estimate at the beginning of the year.

In comparison with 1918 the K. W. H. generated increased 55.9 per cent, the income 29.1 per cent, operating expenses 10.4 per cent, and fixed charges 8. per cent. The net gain for the year was $2,613.83 as compared with a loss of $8,132.65 for the years 1917 and 1918.

Of course, the principal reason for the gain in income was due to the increase in the lighting rate in 1918, but operating expenses per K. W. H. were materially reduced by having a better grade of fuel, increased power load and more efficient generating apparatus.

The income account shows that the increase in lighting sales was $11,387.83, and in power sales $12,709.16, while heating and cooking sales fell off $1,348.98, due to the loss of business at the Rifle Range. The net increase over last year was $22,748.01.

The increase in power sales was principally due to additional power furnished the Reading Rubber Mfg. Company since April, 1919, although we have materially increased our connected motor load, as will be noted elsewhere in my report.

The smaller amount of fuel used per K. W. H. was due in a large measure to the fact that we have operated the new 600 K. W. turbine most of the time since it was put into service March 30, 1919. On that day we changed our distribution system from two-phase to three-phase, and connected our outside feeder lines to the new switchboard.

The decrease in the amount of coal used was immediately apparent, and in order to determine the approximate saving in the fuel cost when operating the new turbine, a test was made.

This test showed that the saving in fuel amounted to 21 per cent, which on a basis of an output of 2,000,000 K. W. H., and coal at $8.42 per gross ton, would be $6,550.76.

It is possible to secure approximately the same efficiency from the 500 K. W. turbine by making certain changes in the condensing apparatus, and I will cover this matter more fully in my recommendations.

The addition of the new boiler has enabled us to secure an increase in steam pressure from 126 to 137 lbs., which also helped to reduce coal consumption. It was thought best to install the new boiler in the addition to the boiler room rather than in the place of No. 1 boiler, as by so doing we were enabled to keep No. 1 boiler in service until the new one was ready.

If we can, during 1920, install a new boiler in place of the old No. 1 boiler which has now been removed, we can secure a further increase in steam pressure to 150 lbs. by cutting out No. 3 boiler.

With the new condenser and cooling pond we can obtain much better vacuum than with the old one, which reduces the amount of coal used.

The recent additions and improvements at the generating station have cost a large amount of money, but the growth of the business and the improved operating conditions, I believe fully justify the expenditure.

I am sure that much credit is due Mr. C. W. Whiting for the successful operating results obtained from the new equipment.

Early in the year we contracted for a sufficient quantity of fuel to meet our requirements, as well as those of the School Department, and municipal buildings, and the coal contracted for was of good quality. Owing to the strike, however, we were obliged to purchase spot coal from other dealers, and it was not of such good quality, so that our coal cost was somewhat higher than it would have been under normal conditions.

The principal items of operating expense which show an increase over 1918 are fuel, labor, repairs of steam plant, garage expense and insurance.

The increase in cost of fuel was on account of increased output, but was only about 4 per cent, while the output increased nearly 60 per cent. Labor and insurance was on account of increase in wages and salaries. Repairs of steam plant was on account of extraordinary repairs to No. 3 boiler and piping.

Garage expense was excessive, being over $1,600.00 more than 1918. This was partly due to excessive repair bills, and I feel that this item of expense can be materially reduced this year, especially if the proposed municipal garage is built and a competent repair man examines the cars when they are brought in, and sees that they are given proper attention before they again go out.

I also believe it will be more economical to exchange the Ford cars every year or, at most, every two years, as if kept in service longer, they are in the repair shop too much of the time.

Of the fixed expenses, interest increased about $530.00 and depreciation about $1,900.00. Bond and note payments were the same as in 1918.

In accordance with instructions from the Board of Gas and Electric Light Commissioners, the Profit and Loss account has been debited and Loans Repayment account credited with $58,400.00, in order that the Loans Repayment account might show the total amount of bonds and notes paid. This, of course, destroys the large surplus in the Profit and Loss account which was shown in the 1918 report.

In accordance with your request, I have endeavored to secure rates covering the purchase of electricity for a term of years. My inquiries were directed to The Lowell Electric Light Corporation, C. H. Tenney & Company, and The Edison Electric Illuminating Co.

The reply from The Lowell Electric Light Corporation indicated that our manufacturing costs were so low that they could not sell us current under their lowest wholesale schedule at as low a figure as we are now generating. They also are not in a position at the present time to supply us with current, but expect to install additional generating capacity during 1920.

C. H. Tenney & Co., who operate the Eastern Massachusetts Electric Company, are not now in a position to make us a definite proposition, on account of lack of generating capacity. It is probable, however, that they will make provision for increased capacity in the near future.

Up to the present time, no definite reply has been received from The Edison Electric Illuminating Company, but they have written that they would take the matter up with us as soon as possible.

I have also secured a report from the C. B. Roberts Engineering Company of Boston in connection with the possible use of oil burners under our present boilers. Mr. Roberts was for several years in the employ of Stone & Webster, and was recommended as having had valuable experience in connection with the installation and operating of oil-burning apparatus.

From this report it would not appear that any material saving would be made at the present time, owing to the present high price of fuel oil, and the relatively small saving in labor, although if we continue to generate our current it might be advisable to consider this subject further at some future time.

The following abstracts from this report may be of interest:

Cost of Coal Burning Operation

Based on annual output of 2,000,000 K. W. H.

3,124 gross tons of coal @ $8.20	$25,617
144 gross tons of coal @ 4.00	576
Boiler room labor:	
4 firemen @ $30 per week, 1 coal passer @ $24 per week	7,488
Total yearly cost, exclusive of overhead and maintenance of equipment	$33,681

Cost of Oil Burning Operation

Based on annual output of 2,000,000 K. W. H.

Boiler room labor:	
4 Firemen @ $30.00 per week	$ 6,240
Total yearly cost, exclusive of maintenance of equipment and fuel	6,240

Summary of Economics

Price of oil per barrel equivalent to given price of coal:

Total cost of coal operation, yearly	$33,681
Total cost of oil operation, less cost of fuel, yearly	6,240
Equivalent of fuel	$27,441
Cost per barrel on 13,595 barrels	2.018
Saving, yearly, for each ten-cent reduction in price of oil per barrel	$ 1,360

Saving, yearly, for oil at various prices:

Oil at:	$2.00	$ 1.90	$ 1.80	$ 1.70	$ 1.60	$ 1.50
Saving:	$ 245	$1,605	$2,965	$4,325	$5,685	$7,045

Cost of fuel per K. W. H. generated, based on annual output of 2,000,000 K. W. H.:

Oil at:	$2.00	$1.90	$1.80	$1.70	$1.60	$1.50
Cost per K. W. H.	1.360c	1.292c	1.224c	1.155c	1.088c	1.020c

Summary of Cost of Installation

This summary includes items necessary to change your boiler plant from coal to oil-burning operation, providing a storage tank holding two-months' supply and service tank for two-days' supply. Work is assumed as being carried out under normal conditions of soil and plant, and with air temperatures above freezing:

Storage tank, concrete, partially buried, 100,000 gallons	$ 8,300
Service tank, concrete, subsurface, 5,000	1,700
Piping, including concrete trench with iron cover	1,390
Burners, pumps and foundations, pump houses and boiler changes	4,050
Contingencies	1,000
Preliminary operation	100
Engineering	1,650
Total	$18,190

Maintenance

4 boiler settings and burners	$ 1,000
2 pump sets	125
Tanks	75
Pipe lines	25
Total	$ 1,225

Depreciation

Burner equipment	$ 50
Pump sets	200
Tanks	400
Pipe lines	140
Totals	$ 790

In view of the fact that we have just expended a considerable amount of money at the plant for additional capacity, and that with the expenditure of a relatively small additional amount, we can secure still more capacity and lower operating costs; also in view of the fact that we have entered into an agreement with the Reading Rubber Mfg. Co. to supply them with 500 K. W. of additional power whenever we are in a position to carry their load, I make the following recommendations:

That a new return tubular boiler suitable for 150 lbs. pressure be installed in place of the old No. 1 boiler which has been removed.

That No. 3 boiler be cut out of service, but left so that it can be used in an emergency. This will enable us to increase our steam pressure to 150 lbs. and secure more boiler capacity. The estimated expense will be $4,700.00, which includes changes in piping. That the feed water for the boilers be treated before entering the boilers, thereby doing away with all scale and sludge, insuring longer life for the boilers, greater steaming capacity and more efficient operation with fewer repairs. The estimated cost of a suitable system will be $3,000.

The new feed water heater which we have ordered will enable us to secure more heat in the water before it enters the boilers and should reduce operating expenses somewhat. This expense I estimate as $1,700.00, which includes the meters for measuring the feed water, also necessary changes in piping.

I recommend that the present jet condenser connected to the 500 K. W. turbine be replaced with an engine-driven surface condenser of sufficient capacity to secure one inch additional vacuum. This will result in a saving of from 6 to 10 per cent in fuel when this turbine is used, and will also prevent interruptions to service due to defects in the present equipment. The estimated cost of the surface condenser installed, including necessary changes in the cooling system, is $10,600.00 Assuming that the annual output from this turbine is 1,000,000 K. W. H., the saving in fuel would be from 111 to 185 tons per year, which at $11.00 per gross ton, would be very good interest on the investment, also a saving in labor.

In order to finance the improvements which I have proposed, I recommend an issue of bonds amounting to $20,000.00—to be paid at the rate of $1,000 each year for 20 years.

My estimate has been made with the expectation that an allowance of four per cent for depreciation will be permitted. If, however, the depreciation allowance is to remain at three per cent, and all improvements are made at the plant as recommended, it will be necessary to raise an additional $4,000 for outside construction, in addition to the amount available in the Depreciation and Construction Funds.

I recommend that permission be obtained from the Board of Public Utilities to increase the annual allowance for depreciation from three to four per cent, and I believe that when the volume of business and operating conditions warrant, this should be increased to five per cent, in order that we may properly take care of replacements and improvements and protect our asset account. I understand that the plants in Chicopee, Concord and Mansfield have already made some increase in their depreciation allowances.

My estimate for 1920 is as follows:

EXPENSES

For operation, maintenance & repairs		$ 100,986.00
For interest on bonds and notes		7,415.38
For depreciation (4% on $387,678.13)		15,507.13
For bond payments		12,000.00
For note payments		6,300.00
Total expenses		$ 142,208.51

INCOME

From sales to private consumers ..		$ 126,146.01
From sundry items		1,400.00
From tax levy (at average cost per K. W. H. as defined by Statute):		
For street lights	$ 13,275.00	
For municipal buildings	1,387.50	
Total to be appropriated		$ 14,662.50
Total income		$ 142,208.51

The above amount to be appropriated from the tax levy covers the electricity for light, heat and power used by the following Departments: Street Department, School Department, Fire Department, Town Home, Library, Municipal Building, Town Clock and Reading Sign.

It does not include the electricity used by the Water Department, as that is paid for by the Department from its earnings and does not directly affect the tax levy.

The cuts of some of the newer apparatus at the power station have been included in this report for the benefit of those citizens who have not visited the plant since the improvements were completed.

Our records show the following sales by the Appliance Department:

Twenty ranges, 39 washing machines, 51 vacuum cleaners, 31 toasters, 13 grills, 190 flatirons, 27 fans, 23 heating pads, 2 mangles, 32 motors, 27 desk and table lamps, 24 radiators, 10 bell-ringing transformers, 12 sewing machines, 7 percolators, 24 vibrators, 2 dishwashers, etc.

The following data, both financial and physical, has been taken from the office records and may be of interest to some:

Table Showing Data from Records of the Plant

Kilowatt hours manufactured	2,056,834
Kilowatt hours delivered to Reading street lights	172,948
Kilowatt hours sold	1,358,028
Kilowatt hours used at station	189,067
Kilowatt hours unaccounted for	336,791
Coal used, tons	3,250
Average cost of coal per ton	$8.42
Poles added	143
Feet of wire added	97,540
Motors connected	24
New services installed	223
Street lamps installed	36

Connected Load December 31, 1919

Number of customers	2,332
Horsepower in motors	807.15
Number of street lights	1,339

Reading

Number of customers Dec. 31, 1919	1,640
Number of 40 c. p. street lights	7
Number of 60 c. p. street lights	468
Number of 100 c. p. street lights	12
Number of 250 c. p. street lights	48
Number of 400 c. p. street lights	1
Number of 600 c. p. street lights	24
Horsepower in motors	769.5
Earnings for the year	$71,181.21

North Reading Extension

Number of customers Dec. 31, 1919	183
Number of 40 c. p. street lights	242
Horsepower in motors	108.66
Earnings for the year	$ 8,757.45

Lynnfield Extension

Number of customers Dec. 31, 1919	148
Number of 40 c. p. street lights	122
Horsepower in motors	29.70
Earnings for the year	$ 5,559.63

Wilmington Extension

Number of customers Dec. 31, 1919	362
Number of 40 c. p. street lights	415
Horsepower in motors	48.08
Earnings for the year	$15,345.81

Earnings from Light and Power for Five Years

	1915	1916	1917	1918	1919
Light:	$44,109.37	$51,200.77	$56,695.22	$60,283.85	$ 71,771.78
Power:	$7,493.95	10,699.24	10,898.42	17,812.24	29,072.32
	$51,603.32	$61,900.01	$67,593.64	$78,096.09	$100,844.10

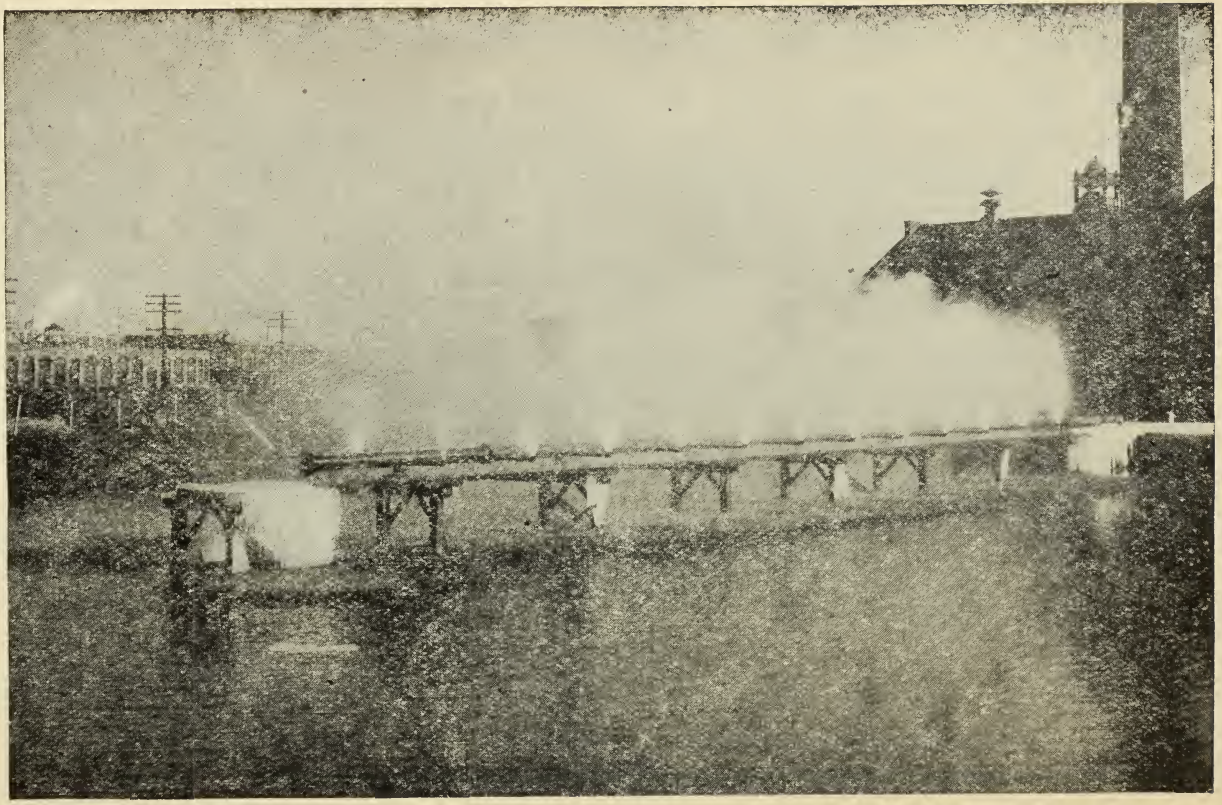
TABLE A

Year	Income from Sale of Electricity	Income from Other Sources	Appropriations from Tax Levy for Maintenance	Appropriations from Tax Levy for Construction	Manufacturing Expense	Distribution Expense	Miscellaneous Expense	Interest	Depreciation	Bond and Note Payment	Total Cost of Plant Dec. 31, 1919
1910	$ 25.668.87	$ 604.88	$10,000.00	$ 270.00	$13,228.57	$ 3,271.76	$ 4,429.32	$2,535.75	$ 3,556.00	$ 4,000.00	$135,992.62
1911	31,317.40	410.77	5,800.00	1,000.00	13,066.25	6.353.77	5,753.84	2,767.00	4,079.78	4,500.00	144.714.06
1912	37.171.93	599.07	5,000.00	5,500.00	17,546.87	5,605.41	5,605.18	3,018.21	4,143.80	7,200.00	173,091.96
1913	44,664.70	671.87	6,000.00	5,076.19	20,054.99	10.705.42	10,214.88	3,515.40	4,788.80	6,800.00	202,548.81
1914	49,799.75	791.14	4,500.00	4,132.07	19,014.03	7,784.82	8.697.95	4.453.33	6,051.08	9,000.00	233.509.58
1915	51,603.32	640.25	10,500.00	none	18,292.78	10,329.83	7,730.32	4,640.42	6,972.28	9,500.00	254,349.09
1916	61,900.01	911.69	5,000.00	none	22,261.19	13,986.22	8,316.39	4,704.99	7,597.47	10.800.00	269,898.27
1917	67,593.64	2,422.92	8,750.00	none	30.460.16	14,557.81	11,577.08	5,070.43	8,096.95	11,300.00	285,428.29
1918	78,096.09	1,537.86	11,000.00	none	41,006.13	13,572.51	11,311.54	6,882.24	8,529.85	11,800.00	318,871.08
1919	100,844.10	1,100.11	14,450.00	none	45,006.98	13.864.14	13,874.46	7,416.21	10,419.76	14,800.00	389,564.73

POWER STATION, SHOWING COOLING POND FOR 500 K. W. TURBINE

TABLE B

Year	K. W. H. Generated	K. W. H. Sold	K. W. H. Delivered to Reading St. Lights	K. W. H. Used at Station Stock Room and Appliance Room	K. W. H. Unaccounted For	Tons of Coal Used (2240 Lbs.)	Average Cost of Coal Per Ton	Number of Customers	Number of Street Lights	No. of Commercial Lights in 40 W Units	Horse Power in Motors
1910	698,597	300,861	227,100	16,269	154,367	1,561	$3.877	738	269	16,000	116 1-2
1911	771,011	367,317	244,055	15,403	144,236	1,614	3.742	888	382	19,867	215
1912	919,282	481,801	242,033	13,307	182,141	2,007	4.19	1,078	698	24,700	242 1-4
1913	1,045,592	599,893	255,744	15,283	174,672	2,393	4.414	1,263	903	27,191	272
1914	986,476	578,709	187,590	15,283	204,894	2,229	4.107	1,390	993	29,937	313 7-10
1915	980,688	548,607	156,505	10,403	265,173	2,052	4.008	1,599	1,181	33,731	381
1916	1,231,677	751,735	170,810	13,916	295,216	2,448	4.407	1,805	1,225	36,700	441
1917	1,291,216	812,507	168,535	12,464	297,710	2,756	6.759	1,964	1,295	39,280	492
1918	1,318,546	976,121	125,820	10,573	206,032	2,990	8.82	2,083	1,303	41,660	672
1919	2,056,834	1,358,028	172,948	189,067	336,791	3,250	8.42	2,333	1,339	44,118	886



COOLING POND, 600 K. W. TURBINE—INSTALLED 1918

TABLE C

Manufacturing Costs per K. W. H. Based on Total K. W. H. Delivered at Switchboard

Year	Fuel	Labor	Repairs and other station expenses	Total costs
1910	.0086	.0075	.0026	.0187
1911	.0078	.0069	.0021	.0168
1912	.0091	.0071	.0027	.0189
1913	.0101	.0070	.0020	.0191
1914	.0092	.0082	.0017	.0191
1915	.0085	.0087	.0013	.0185
1916	.0087	.0071	.0022	.0180
1917	.0144	.0075	.0015	.0234
1918	.0200	.0085	.0025	.0310
1919	.0133	.0066	.0019	.0218

TABLE D

Average Cost per K. W. H. as Defined by Chapter 77, Acts of 1918

	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919
Operating Costs:	.0396	.0412	.0397	.0483	.0362	.0586	.0467	.0577	.0538	.0509
Fixed Costs:	.0191	.0185	.0198	.0176	.0254	.0299	.0261	.0249	.0274	.0213
Total Costs:	.0587	.0597	.0595	.0659	.0616	.0885	.0728	.0826	.0812	.0722

Note: If the Town had appropriated for street lights during the past ten years, the average cost as at present defined by Statute, the cost to the taxpayers would have been $51,092.70 more than they actually paid.

In closing, I wish to express my appreciation of the loyal co-operation which has been shown by the employes, and which has contributed in no small measure to the success of the past year's business.

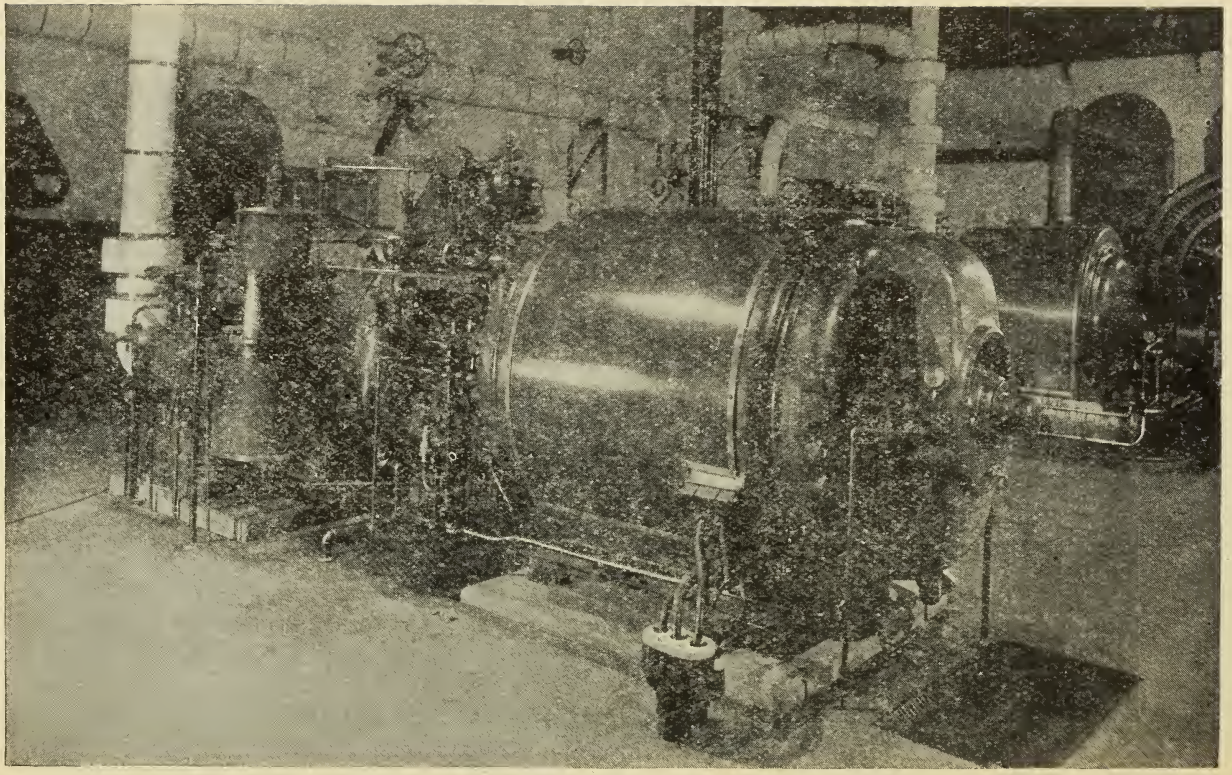
I am also indebted to Mr. C. W. Whiting for many valuable suggestions. I wish to thank the members of the Board for their cordial support and assistance.

Respectfully submitted,

ARTHUR G. SIAS, Manager.

FRANK E. CRAFTS
GEORGE L. FLINT
WILLIAM G. LONG

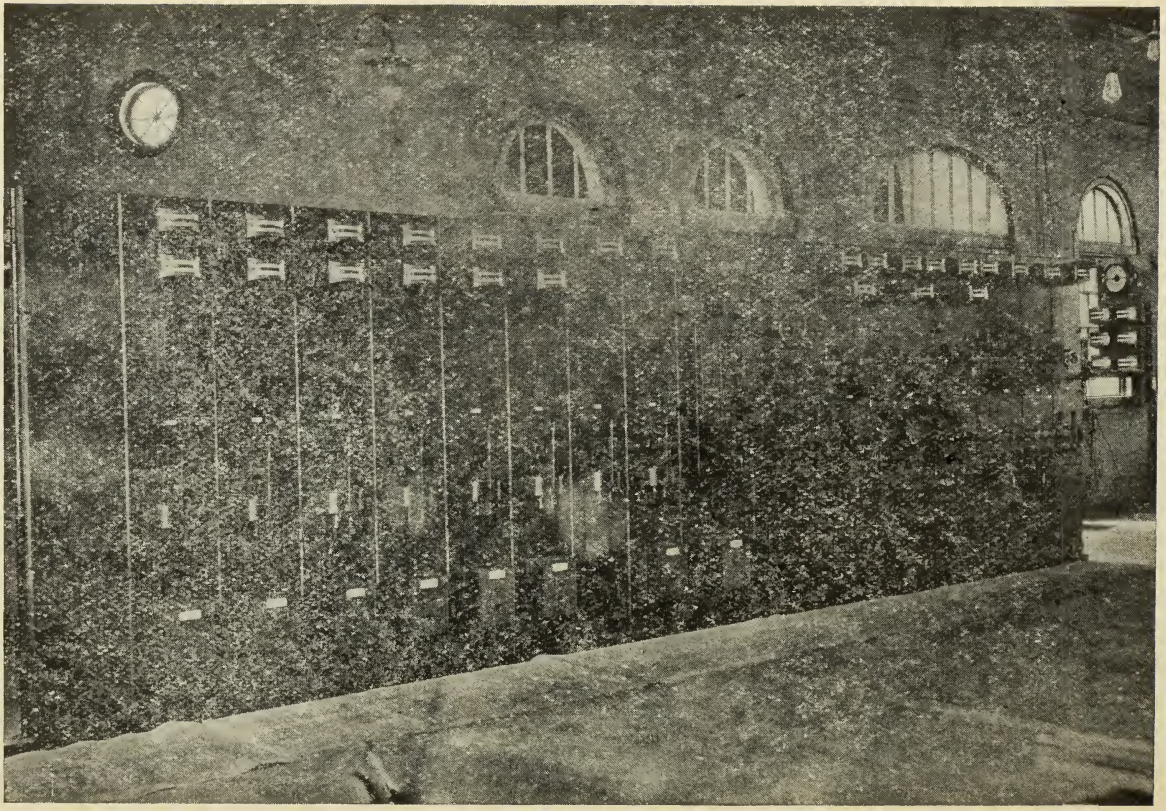
Municipal Light Board.



A T B-2-600-3600-2300 CURTIS STEAM TURBINE — INSTALLED 1918

List of Unpaid Bills

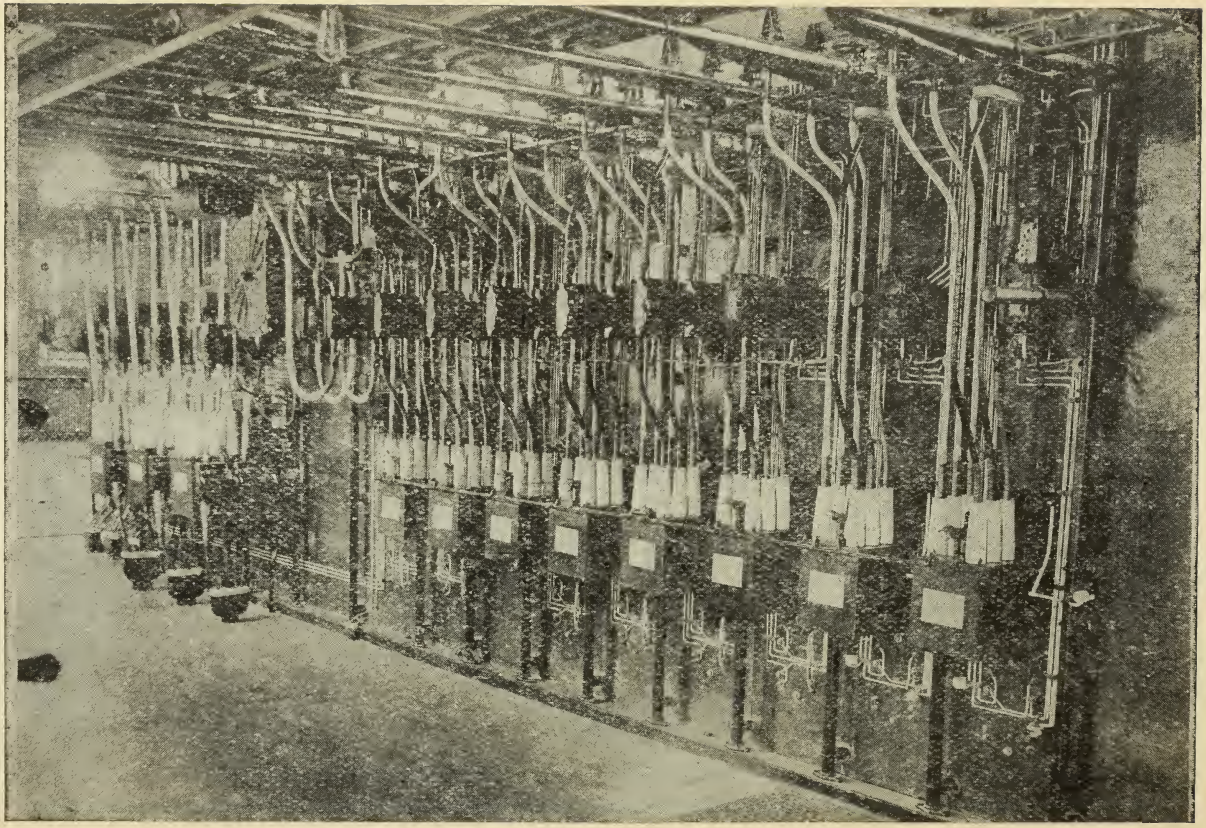
Adbro Mfg. Company	$ 31.90
Ajax Rubber Company	118.42
Ames Ag. Imp. Company	2.78
Andren, Karl Company	58.00*
Bancroft, Wendell, & Co.	45.75
Bird, J. A. & W. H.	31.51
Boston Lumber Company	219.40
Breck, Jos., & Co.	10.42
Buckminster, G. H., Co.	799.88
Cameron, J. J.	19.25
Chapin, E. H.	618.02
Clapp and Leach	36.68
Clark, A. F., Co.	57.50
Columbia Lamp Division	1,275.56
Cummings Express Co.	14.80
Davis, Geo. W., Co.	27.75
Eagle Oil & Supply Co.	31.59
Elec. Mach & Instrument Co.	14.20
Emerson & Company	5.00
Fairbanks Company	15.72
Fife, T. C.	4.25
Foster, McDonald Co.	101.55
Francis Bros.	31.99
General Electric Co.	315.18
Greene, Jos. E., Co.	18.62
Ham, E. W., Elec. Co.	821.00
Hardy, F. S., & Co.	559.69
Hodge Boiler Works	40.40
Hodson Brothers	22.37
Hoover Suction Sweeper Co.	510.51
Jeanes, C. L., Company	82.20
Jenkins Brothers	.75
Johns-Manville, H. W., Co.	21.96
Library Bureau	28.65
Lynnfield, Town of	295.75
Lumsden, Van Stone Co.	13.34
Maxwell, J. M.	68.58
Miley Soap Company	37.10
Nat. Carbon Company	6.84
N. E. Iron Works	20.22
N. E. Tel. & Tel. Co.	75.06
1900 Sales Company	177.13
North Reading, Town of	140.00
Ordway, O. O.	8.15
Perkins and Bancroft	43.23



17 PANEL 3-PHASE SLATE SWITCHBOARD — INSTALLED 1918 — (FRONT VIEW)

Pettingell-Andrews Co.	764.57
Premier Service Co.	6.00
Reading Garage	207.27
Ridlon, Frank	76.06
Roberts, C. B., & Co.	85.00
P. J. Seaman	12.80
Simplex Elec. Heating Co.	104.23
Simplex Wire & Cable Co.	4.48*
Society for Electrical Development	16.66
South Fork Coal Sales Co.	624.35
Sperry, F. D.	12.50
Standard Oil Compay	180.81
S. R. Stembridge	33.81
Strait and Richards	21.00
Stuart-Howland Company	1,706.28
Sweetser, P. N.	298.22
Twombly, W. E. & J. F.	161.93
United Electric Supply	6.25
Wagner Electric Company	327.81
Waterproof Paint Co.	87.50
Westinghouse Elec. & Mfg. Co.	162.34
Wetmore-Savage Company	1,669.83
Willis W. H.	4.43
Woburn Machine Company	14.92
Wood, W. A., Company	10.00
Garfield & Proctor	1,596.25
Town of Reading (Fuel loan temporary)	6,500.00
	$21,448.59

* Credit balance due us.



17 PANEL 3-PHASE SLATE SWITCHBOARD – Installed 1918 (Rear View)

REPORT OF AUDITOR YEAR 1919

January 26, 1920.

To the Municipal Light Board, Reading, Mass.

Reading, Massachusetts.

Gentlemen: As requested, I have made an examination of the books of account and records of the Lighting Department for the year ending December 31, 1919, and submit herewith a comparative statement of Assets and Liabilities, January 1, 1919 and 1920; comparative statement of Income and Expense for the years 1919 and 1918, together with Profit and Loss, and Surplus changes covering the same period, which I herewith certify as being correct and are represented on the books of the Department.

Appropriations

The appropriations made by the Town, both for construction and operating, appear to have been properly recorded.

Cash

The disbursement of cash is made by the Town Treasurer on orders received from the Lighting Board. All collections made are deposited under the head of the various funds to the credit of the Treasury Department. These accounts have been carefully checked, as well as all disbursements, and each cash balance has been verified by bank records. On the attached statement, the cash appears under the head of various funds for the reason that the same is not directly disbursible by the Lighting Board.

Accounts Receivable

The individual accounts have been carefully examined and the total is as represented on the statement submitted. There are quite a number of accounts which appear to have delayed payment more than ninety days. This appears more prominent in the so-called Jobbing accounts, and I suggest that no credit be extended beyond a period of ninety days unless for some special large equipment, which could be worked out on some monthly payment plan.

Supplies

An inventory of the various supplies was furnished by your Board. This was carefully examined as to mathematical calculations, as well as to the present value, and I believe the same correctly represented. While I was unable to make a check on the various supplies at hand, the various supplies were looked over, and in some instances checks made to the extent of satisfying myself that the record furnished was reasonably true.

Vouchers

I found all invoices properly approved, together with cancelled checks, numerically filed in envelopes for that purpose, covering the entire period. These were carefully examined as to distribution and calculations and found correct. (There were missing about twenty checks representing payments the latter part of December, which had not been returned by the bank as of January 1st. A list was made, and verification will be made at a later date.)

Bonds

There has been issued during the year $32,000 bonds which, I understand, completes the authorization granted by the Town. $10,000 has been paid, so that the net increase in the bonds outstanding is $22,000.

Notes

There has been issued during the year $3,000 of notes; and $4,800 has been paid, which makes a net reduction in the notes outstanding of $1,800.

Accounts Payable

These were carefully examined and totaled, representing the amount designated in the statement. They appear to be of recent date, and might be considered as reasonable to carry as a current liability.

I found the books and records in neat condition, and was extended every courtesy by those in charge of the various departments.

Respectfully submitted,

CHARLES E. STANWOOD,
Professional Auditor.

Balance Sheet December 31

ASSETS

	1919	1918	Increase or Decrease
Land	$ 2,575.80	$ 1,545.50	$ 1,030.30
Buildings	20,401.01	15,462.85	4,938.16
Steam Plant	75,855.26	73,493.71	2,361.55
Electric Plant	42,162.36	27,273.38	14,888.98
Street lines and wires	116,480.83	109,740.97	6,739.86
Street lamps	12,775.82	12,666.29	109.53
Transformers	18,460.55	17,325.37	1,135.18
Meters	20,603.34	19,032.70	1,570.64
Office and store equip. and supplies	1,425.25	1,390.26	34.99
Station tools & appliances	1,031.66	1,041.65	**9.99**
Distribution tools & appl.	707.60	667.70	39.90
Auto account and supplies	1,181.62	1,576.09	**394.47**
	$313,661.10	$281,216.47	$ 32,444.63
Cash:			
Construction Fund	738.82		738.82
Depreciation Fund	438.80	245.70	193.10
Operating Fund	212.95	2,669.07	**2,456.12**
Deposit Fund	822.47	2,281.16	**1,458.69**
Reconstruction Fund		14,978.77	**14,978.77**
Interest Fund	4.08		4.08
Accounts Receivable:			
Electric	14,614.20	13,428.56	1,185.64
Miscellaneous	8,720.23	6,115.23	2,605.00
Supplies:			
Fuel	5,447.53	3,960.61	1,486.92
Oils, waste and station	390.55	545.34	**154.79**
Line and distribution	8,245.30	6,817.95	1,427.35
Lamps-Commercial	1,382.12	1,137.05	245.07
Jobbing stock	5,361.00	4,424.77	936.23
Prepaid insurance	607.45	730.45	**123.00**
	$ 46,985.50	$ 57,334.66	**$ 10,349.16**
Engineering (Work in process)		4,150.00	**4,150.00**
Total Assets	$360,646.60	$342,701.13	$ 17,945.47

Black figures throughout tables indicate decrease

LIABILITIES

	1919	1918	Increase or Decrease
Appropriations for const.	$ 30,678.26	$ 42,678.26	$ 12,000.00
Loans Repayment Acct. .	134,600.00	119,800.00	14,800.00
Bonds outstanding	129,000.00	107,000.00	22,000.00
Notes outstanding	38,300.00	40,100.00	1,800.00
Town Treasurer—Loan .	6,500.00	11,000.00	4,500.00
Guarantee Deposits	822.47	2,281.16	1,458.69
Accounts Payable-Const. .		8,282.49	8,282.49
Accounts Payable-Operat.	14,948.59	16,893.50	1,944.91
Accrued Interest–Not due	1,935.55	1,550.47	385.08
Total Liabilities	$356,784.87	$349,585.88	$ 7,198.99
Surplus	3,861.73	6,884.75	10,746.48
	$360,646.60	$342,701.13	$ 17,945.47

Income and Expenses

Income

	1919	1918	Increase or Decrease
Commercial lighting ...	$ 59,893.54	$ 48,995.81	$ 10,897.73
Commercial power	22,566.67	11,071.13	11,495.54
Municipal lighting	1,218.68	849.04	369.64
Municipal power	2,077.11	939.32	1,137.79
Cooking and heating	4,197.60	5,546.58	1,348.98
Street Lighting:			
North Reading	3,242.09	3,249.35	7.26
Wilmington	5,774.93	5,642.63	132.30
Lynnfield	1,642.54	1,647.12	4.58
Reading	14,450.00	11,000.00	3,450.00
Lowell Elec. Light Corp. —Power	148.40	104.87	43.53
Town of Wakefield–Power	82.54	50.24	32.30
	$115,294.10	$ 89,096.09	$ 26,198.01

EXPENSES

Fuel	$ 27,372.51	$ 26,371.62	$ 1,000.89
Oils and waste	248.16	169.00	79.16
Water	129.15	56.20	72.95
Labor at station	13,681.45	11,238.68	2,442.77
Repairs buildings	37.42	711.24	673.82
Repairs Steam Plant	2,097.94	1,544.54	553.40
Repairs Electric Plant	539.84	109.84	430.00
Station tools and expense	900.51	805.01	95.50
Manufacturing Exp.	45,006.98	41,006.13	4,000.85
Care of meters & com. lts.	1,844.70	1,086.50	758.20
Care of street lights	1,884.93	1,912.33	27.40
Incand. lamps–com.	265.28	930.68	665.40
Repairs street lines	4,621.14	5,918.16	1,297.02
Repairs transform. & met.	205.87	402.88	197.01
Distribution tools & exp.	208.36	139.08	69.28
Auto and garage expense	4,833.86	3,182.88	1,650.98
Distribution Expense	13,864.14	13,572.51	291.63
General salaries	6,979.58	5,447.00	1,532.58
Board salaries	225.00	225.00	
Board expense	389.55	10.00	379.55
Rent of stock room	150.00	340.00	190.00
Gen. off. exp. & clerk hire	3,178.26	3,082.96	95.30
Overhead Expense	10,922.39	9,104.96	1,817.43
Taxes	447.90	364.00	83.90
Insurance	2,504.17	1,842.58	661.59
General Expense	2,952.07	2,206.58	745.49
Total Expenses	72,745.58	65,890.18	6,855.40
Balance to Profit & Loss	42,548.52	23,205.91	19,342.61
	$115,294.10	$ 89,096.09	$ 26,198.01

Profit and Loss Account

CREDIT

	1919	1918	Increase or Decrease
Balance from operation .	$ 42,548.52	$ 23,205.91	$ 19,342.61
Rental of pole line	401.55	422.78	**21.23**
Int. rec'd–Bank balances	255.85	1,115.86	**860.01**
Gain from Jobbing	134.38		134.38
Premiums & Accd. Inter't —Bonds	379.25		379.25
Small adjustments	4.08		4.08
	$ 43,723.63	$ 24,744.55	$ 18,979.08

DEBIT

Bonds paid	$ 10,000.00	$ 10,000.00	
Notes paid	4,800.00	4,800.00	
Interest paid and accrued	7,416.21	6,882.24	533.97
Loss from Jobbing		209.24	**209.24**
Depreciation allowed ...	10,419.76	8,529.85	1,889.91
Bad debts charged off ..	266.18		266.18
Bond expense (printing)	75.00		75.00
Balance to surplus	10,746.48	**5,676.78**	16,423.26
	$ 43,723.63	$ 24,744.55	$ 18,978.08

Surplus Account

Surplus Jan. 1, '19 & '18	$ **6,884.75**	$ 57,192.03	$ **64,076.78**
Add–Gain for 12 months	10,746.48	**5,676.78**	16,423.26
Deduct:			
Debit adjustment of Loan Repayment Account		**58,400.00**	**58,400.00**
Surplus Jan. 1, '20 & '19	$ 3,861.73	$ **6,884.75**	$ 10,746.48

BONDS AND NOTES

No. of Issue	Date issued	Amount of original	Payments on principal	Rate of Int.	Interest payable	For what issued	Amt. outstanding Dec. 31, 1919
BONDS							
1st	10- 1-94	$50,000	$1,000 yearly 10 years 2,000 yearly 20 years	4%	Apr. Oct.	Establishing plant	$ 10,000
2nd	10- 1-07	26,000	1,000 yearly 26 years	4½%	Apr. Oct.	Additions	14,000
3rd	7-15-11	20,000	2,000 yearly 10 years	4%	Jan. 15 July 15	Wilmington Lines	4,000
4th	10-15-13	23,500	1,500 yearly Oct. 15	4¼%	Apr. 15 Oct. 15	Station	14,500
5th	9-15-14	8,000	500 yearly Sept. 15	4½%	Mar. 15 Sept. 15	Reading	5,500
6th	10- 1-17	55,000	3,000 yearly Oct. 1	4½%	Apr. 1 Oct. 1	Additions	49,000
7th	1- 1-19	12,000	1,000 yearly 4 years 500 yearly 16 years	4½%	July 1 Jan. 1	Additions	12,000
8th	4- 1-19	20,000	1,000 yearly April 1	4¾%	Oct. 1 Apr. 1	Additions	20,000
							$129,000

BONDS AND NOTES (Continued)

NOTES			ANNUALLY					
8th	9-27-10	$12,000	$1,000	Mar. 27	4%	3-27— 9-27	N. Reading	$ 6,000
10th	4-16-13	13,500	1,500	Apr. 16	4¼%	4-16—10-16	New Const.	4,500
11th	5-15-15	12,000	800	May 15	4%	5-15—11-15	New Const.	8,800
12th	7-15-15	4,000	500	July 15	4%	1-15— 7-15	Reading	2,000
13th	5-15-16	10,000	500	May 15	4%	11-15— 5-15	New Const.	8,500
14th	9-22-17	6,500	500	Sept. 22	5%	3-22— 9-22	New Const.	5,500
15th	11-20-19	3,000	1,500	yearly 11-20	4½%	5-20—11-20	New Const.	3,000
								$ 38,300

Thirtieth Annual Report

OF THE

WATER COMMISSIONERS

For the Year Ending December 31

1919

OFFICERS OF THE WATER DEPARTMENT

Commissioners

HENRY R. JOHNSON, *Chairman* . .	Term expires 1922
HARVEY A. BANCROFT . . .	Term expires 1920
EDGAR N. HUNT	Term expires 1921

Superintendent and Registrar

LEWIS M. BANCROFT

Superintendent of Pumping Station

FRANK F. STROUT

Fireman

ALFRED HARVEY

OFFICE OF THE WATER BOARD
Room 15, Municipal Building

OFFICE HOURS

8.30 to 12 M., 1.30 to 4.00 P. M., except Saturday
Saturday, 8.30 A. M. to 12 M., 7.30 to 9 P. M.

REPORT OF WATER COMMISSIONERS

To the Citizens of Reading:

The Board of Water Commissioners herewith submit their thirtieth annual report:

Maintenance

Received fines and summons		$ 12.91
Paid pay roll	$ 652.00	
Supt. and registrar	1,683.37	
Boston & Maine R.R.	.57	
The Bristol Co.	3.86	
C. Winthrop Smith	13.70	
New England Tel. & Tel. Co.	73.05	
W. E. & J. F. Twombly	80.50	
Burglary insurance	15.67	
F. E. Gray, P.M.	94.22	
Sterling Ink Mfg. Co.	4.20	
Fire & Water Engineering	3.00	
Francis Bros.	.35	
Boston Card Index Co.	17.02	
Municipal Light Board	16.10	
S. M. Spencer Mfg. Co.	14.00	
Globe-Wernicke Co.	1.80	
Engineering-News Record	5.00	
J. M. Maxwell, Jr.	7.50	
Water Commissioners' salaries	225.00	
Addressograph Co.	1.77	
Car fares	67.95	
Towels	6.00	
Towels	6.50	
F. W. Barry, Beale & Co.	9.89	
Legislative Bulletin	2.00	
Typewriter ribbons	1.80	
Weeks & Dotton	6.00	
Balance		2,994.01
	3,006.92	3,006.92

Maintenance of Pumping Station

Received for rent and sundries		$ 192.30
Paid pay roll	$ 2,999.88	
Boston & Maine R.R., freight	531.22	
Boston & Maine R.R., coal	749.42	
Wendell Bancroft & Co.	8.32	
New England Tel. & Tel. Co.	50.34	
Jenkins Bros.	52.39	
Municipal Light Board	17.68	
N. E. Coal & Coke Co.	27.26	
Quaker City Rubber Co.	.78	
Spencer Damper Regulator Co. ..	1.87	
American Express Co.	4.50	
Cummings Express Co.	2.87	
H. W. Johns-Manville Co.	40.78	
Grant Gear Works	17.75	
Elliott Co.	18.00	
Francis Bros.	10.25	
Pratt & Cady Co.	3.30	
Leavitt Machine Co.	106.25	
Liability Insurance	43.20	
E. W. Hatch	19.98	
W. N. Gray	78.55	
Percy N. Sweetser	218.24	
Harold L. Bond Co.	10.05	
Shawmut Chemical Co.	33.00	
Treat Hardware Co.	10.60	
Town of North Reading	2.80	
Julian P. Freiz & Sons	2.00	
Clapp & Leach	2.75	
G. H. Atkinson Co.	10.03	
O. O. Ordway	.75	
C. A. Claflin & Co.	.52	
Car fares	.80	
Pump shaft	.77	
Eagle Oil & Supply Co.	81.70	
Balance		4,966.30
	5,158.60	5,158.60

Maintenance of Filters

Paid pay roll	$ 1,256.47
Percy N. Sweetser	18.00
Fred F. Smith	23.05
Municipal Light Board	264.86

Boston & Maine R.R.	53.07	
Eagle Oil & Supply Co.	23.43	
Merrimack Chemical Co.	379.93	
Weston & Sampson	4.00	
C. E. Converse Co.	116.25	
Harold L. Bond Co.	2.25	
Fonda Lime Kilns	290.08	
T. C. Fife	5.71	
Wendell Bancroft & Co.	4.77	
		$ 2,441.87

MAINTENANCE OF METERS

Paid pay roll	$ 798.56	
American Express Co.	3.73	
Hersey Mfg. Co.	60.82	
Boston & Maine R.R.	5.46	
Cummings Express Co.	2.10	
Dodge, Haley Co.	1.66	
National Meter Co.	330.85	
Thompson Meter Co.	.84	
Union Water Meter Co.	31.12	
Batteries	6.60	
Drills and taps	.60	
		1,242.34

MAINTENANCE OF SERVICE PIPES

Received for repairs		1.83
Paid pay roll	$ 138.94	
Wendell Bancroft & Co.	.95	
American Express Co.	.85	
Balance		138.91
	$ 140.74	$ 140.74

MAINTENANCE OF MAIN PIPES

Received for repairs		$ 16.20
Paid pay roll	$ 159.02	
Braman, Dow & Co.	12.26	
Ludlow Valve Mfg. Co.	3.97	
Chapman Valve Mfg. Co.	3.75	
Balance		162.20
	179.00	179.00

BONDS

Paid Bonds	$ 3,200.00	3,200.00

Interest

Received interest on deposits			112.28
Paid interest on bonds	$	5,637.50	
Balance			5,525.22
		5637.50	5,637.50

Air Compressor Maintenance

Paid pay roll	$	4.00	
Municipal Light Board		1,790.58	
American Express Co.		.52	
Sullivan Machinery Co.		36.10	
Braman, Dow & Co.		1.80	
			1,833.00

Automobile Truck Maintenance

Paid Bates Garage	$	7.60	
Eagle Oil & Supply Co.		38.00	
Wakefield Radiator Co.		4.50	
Howe & French		3.80	
Oil Gage & Grease Gun		1.45	
Reading Garage		309.40	
E. H. Chapin		14.47	
Pay roll		8.56	
W. E. & J. F. Twombly		.70	
Municipal Light Board		3.75	
Reading Tire Shop		14.00	
Mass. Highway Commission		6.00	
T. C. Fife		2.70	
O. O. Ordway		3.60	
Hugh L. Eames		3.00	
Liability Insurance		77.00	
			498.53

Shop Maintenance

Paid Municipal Light Board	$	6.36	
Wendell Bancroft & Co.		2.36	
R. W. Totten		4.00	
			12.72

Main Pipe

Received for pipe laid			$ 1,737.70
Paid pay roll	$	720.67	
Boston & Maine R.R.		32.66	
Chapman Valve Mfg. Co.		242.70	
W. E. & J. F. Twombly		2.25	
Wendell Bancroft & Co.		1.10	

Water Works Equipment Co. ..	240.62	
F. A. Houdlett & Son, Inc.	565.86	
A. D. Gordon	18.00	
Chadwick-Boston Lead Co.	44.24	
Builders' Iron Foundry	69.77	
E. C. Hanscom	3.50	
Harold L. Bond Co.	5.50	
O. O. Ordway	8.10	
Balance		217.27
	1,954.97	1,954.97

SERVICE PIPES

Received for pipes laid		$ 1,300.13
Paid pay roll	$ 1,531.02	
Boston & Maine R.R.	9.82	
American Express Co.	6.83	
Walworth Mfg. Co.	70.80	
United Brass Mfg. Co.	81.14	
F. F. Smith	1.20	
J. J. Cameron	6.50	
Braman, Dow & Co.	337.88	
Chapman Valve Mfg. Co.	48.74	
Harold L. Bond Co.	58.35	
Cummings Express Co.	11.02	
W. P. Taylor Co.	39.77	
Tenney, Morse & Co.	9.59	
Ware Coupling & Nipple Co. ..	12.51	
Prentiss & Parker	241.65	
Chadwick-Boston Lead Co.	4.37	
Reading Garage	3.43	
Eagle Oil & Supply Co.....	19.06	
E. H. Chapin	.75	
A. M. Morton Co.	.93	
American Powder Mills	20.40	
Ernest A. Hurd	2.50	
G. H. Atkinson Co.	1.55	
Francis Bros.	6.01	
T. C. Fife	9.57	
O. O. Ordway	26.22	
Bruno & Petitte	4.80	
R. D. Clapp	.25	
Dodge, Haley Co.	.95	
Balance		1,267.48
	2,567.61	2,567.61

Meters

Paid pay roll	$ 8.64	
United Brass Mfg. Co.	6.12	
R. B. Field	2.32	
Boston & Maine R.R.	1.04	
Cummings Express Co.	.35	
Builders' Iron Foundry	5.94	
National Meter Co.	86.70	
American Express Co.	3.36	
Worthington Pump & Machin. Co.	68.00	
Gamon Meter Co.	135.00	
Union Water Meter Co.	2.85	
		320.32

Artesian Wells

Paid F. H. Hayes Machinery Co.	$ 220.50	220.50

Air-Lift Pumps

Paid pay roll	$ 338.39	
American Express Co.	27.94	
Boston & Maine R.R.	1.87	
F. F. Smith	1.00	
Municipal Light Board	10.00	
A. E. Batchelder	3.50	
Braman, Dow & Co.	172.91	
Sullivan Machinery Co.	302.47	
Clapp & Leach	46.57	
Cummings Express Co.	3.60	
Tenney, Morse & Co.	225.43	
W. E. & J. F. Twombly	.83	
C. W. Whiting	14.70	
Prentiss & Parker	47.92	
Curtis & Curtis	10.63	
Woburn Machine Co.	.90	
Dodge, Haley Co.	.80	
Francis Bros.	.88	
T. C. Fife	.56	
		1,210.90

Shop

Paid Wendell Bancroft & Co.	$ 67.77	
Eagle Oil & Supply Co.	6.00	
Municipal Light Board	8.00	
Francis Bros.	1.20	
Harold L. Bond Co.	5.04	
T. C. Fife	10.30	
L. T. Eames	20.61	
Albert Covey	145.00	
		263.92

Summary of Receipts and Expenditures

Cash balance from 1918		$ 3,471.84
Rent of house and sundries		192.30
Fines and summonses		12,91
Interest		112.28
Main Pipe		1,737.70
Service Pipe		1,300.13
Main Pipe Repairs		16.20
Service Pipe Repairs		1.83
Meter Rates		23,536.13
Hydrant Rent		6,030.00
Water for Drinking Fountains		100.00
Paid Maintenance	$ 3,006.92	
Pumping Station Maintenance	5,158.60	
Filter Maintenance	2,441.87	
Meter Maintenance	1,242.34	
Service Pipe Maintenance	140.74	
Main Pipe Maintenance	179.00	
Bonds	3,200.00	
Interest	5,637.50	
Air Compressor Maintenance	1,833.00	
Automobile Maintenance	498.53	
Shop Maintenance	12.72	
Main Pipes	1,954.97	
Service Pipes	2,567.61	
Meters	320.32	
Artesian Wells	220.50	
Air Lift Pumps	1,210.90	
Shop	263.92	
Cash on hand	6,621.88	
	36,511.32	36,511.32

Cost of Plant

Reported last year	$ 394,443.70
Main Pipe	217.27
Service Pipe	1,367.48
Meters	320.32
Artesian Wells	220.50
Air Lift Pumps	1,210.90
Shop	263.92
	398,044.09

UNPAID BILLS DEC. 31, 1919

Artesian Well & Supply Co.	$ 2,050.00
Cummings Express Co.	28.15
Francis Bros.	5.62
Reading Tire Shop	4.00
Sullivan Machinery Co.	107.00
U. S. R.R. Administration	13.93
Percy N. Sweetser	194.41
Garfield & Proctor Coal Co.	573.80
Municipal Light Board	182.12
N. E. Tel. & Tel. Co.	13.87
	$ 3,172.90

The Board recommends that $6,030 be raised and appropriated for hydrant rental, that $100 be raised and appropriated for water for drinking fountains.

The interest for the current year amounts to $5,072.50, as follows

$22,000 bonds for twelve months at 4½%	$ 990.00
1,000 bonds for six months at 4½%	22.50
95,000 bonds for twelve months at 4%	3,800.00
13,000 bonds for six months at 4%	260.00
	$5,072.50

An article will be in the warrant for the annual town meeting to authorize the Water Commissioners to increase the water rates. The Board recommends that they be instructed to increase the water rates. The present rates were adopted in 1898. Since then the cost of maintaining the plant has increased very much:

Coal 119 per cent. per ton.

Other supplies as high as 500 per cent.

Skilled labor 125 per cent.

Unskilled labor 200 per cent.

Respectfully submitted,

HENRY R. JOHNSON,
EDGAR N. HUNT,
HARVEY A. BANCROFT,
Water Commissioners.

REPORT OF WATER REGISTRAR

Amount of bills rendered in 1919 ..		$ 22,498.66
Amount collected and paid Treasurer	$ 21,362.20	
Amount uncollected	1,090.05	
Amount abated	46.41	
	$ 22,498.66	$ 22,498.66
Amount of bills of previous years uncollected		3,770.25
Amount collected and paid Treasurer	2,173.93	
Amount uncollected	1,132.93	
Amount abated	463.39	
	$ 3,770.25	$ 3,770.25
Amount of service pipe bills rendered in 1919		961.19
Amount of bills of previous years uncollected		461.38
Amount of service pipe maintenance bills of previous years uncollected		108.87
Amount collected and paid Treasurer	1,278.98	
Amount uncollected	200.83	
Amount charged off	51.63	
	$ 1,531.44	$ 1,531.44

LEWIS M. BANCROFT, Registrar.

REPORT OF SUPERINTENDENT

READING WATER COMMISSIONERS:

GENTLEMEN—The thirtieth annual report of the Superintendent is submitted for the year ending December 31, 1919.

No extension of mains was made during the year. About seven tons of six-inch pipe and a number of gates were put in at the plant of the Reading Rubber Manufacturing Co. for fire protection, all of which were paid for by that Company.

One hydrant was set on West Street, near the residence of Mr. L. B. Lewis.

Two hydrants have been replaced, one at the corner of Lowell and Sanborn Streets, and one near No. 474 Haverhill Street.

All hydrants have been examined and put in order. One leaking joint in six-inch pipe was repaired at the Washington Street railroad crossing.

Twenty-five services have been put in. Fifteen leaks in service pipes have been repaired, fourteen of which were caused by electrolisis, all but one of which are located on John, Village and Washington Streets.

The stand pipe should be painted this year. The last painting was done in 1913.

The strainer pipes in the filters need cleaning and repairing and the rate controllers need to be cleaned and adjusted.

KINDS AND SIZES OF METERS IN USE

No.	Name	Sizes					
		2 in.	1½ in.	1¼ in.	1 in.	¾ in.	⅝ in.
80	Crown	5	1	.....	2	2	70
981	Nash	1	5	.....	8	8	959
198	Empire	1	.....	.....	.....	1	196
1	Gem	1	.....	.....	.....	.....	....
40	Lambert	.....	.....	.....	2	.....	38
38	Thompson	1	.....	.....	1	.....	36
8	Worthington	.....	.....	.....	.....	.....	8
214	Hersey	1	6	.....	10	2	195
95	Neptune	.....	.....	.....	.....	.....	95
4	Union	.....	1	.....	.....	.....	3
10	King	.....	.....	.....	.....	.....	10
15	Columbia	.....	.....	.....	.....	.....	15
9	Keystone	.....	.....	8	.....	.....	1
35	Gamon	.....	.....	.....	.....	.....	35
1728		10	13	8	23	13	1661

YEARLY RECORD OF PUMPING SERVICE

From Jan. 1, 1919, to Jan. 1, 1920

Month	No. Days	Hrs.	Min.	Gallons Pumped	Total Head	Pounds Coal	Rain-fall
January	31	221	30	7,543,965	219	49,555	3.24
February	28	202	..	6,868,432	.....	43,673	3.61
March	31	220	15	7,402,305	.....	46,916	4.01
April	30	213	30	7,232,687	.....	52,185	2.46
May	31	223	30	7,520,414	.....	53,565	5.44
June	30	274	..	8,826,032	.....	62,317	.88
July	31	273	15	9,105,399	.....	52,194	3.22
August	31	240	30	7,982,321	.....	52,262	3.83
September	30	233	45	7,922,999	.....	51,344	5.65
October	31	240	30	8,288,630	.....	49,772	2.63
November	30	237	30	8,223,480	.....	55,530	6.20
December	31	227	45	7,617,604	.....	57,859	1.53
	365	2,808		94,534,268	219	627,172	42.70

TABLE SHOWING AMOUNT OF RAIN AND MELTED SNOW FOR YEAR ENDING DEC. 31, 1919

Day of Month	January	February	March	April	May	June	July	August	September	October	November	December	Day of Month
1	.23		.40		.73				.10		1.		1
2	.78								1.39	.18	.07		2
3	.21			.01	.01				1.43	.01			3
4	.01	.05		.04	.40					.01	.78		4
5			.07		.03		.09			.01	.23		5
6							.17	.45	.02	.11	.04	.27	6
7				.03				.17					7
8	.03		.07	.06					.93			.25	8
9			.86			.31			.23	.25		.58	9
10				.04	.81		.74		.22		.01		10
11			.01	.53	.88				.35	.04	.01		11
12					.47				.04		.20	.10	12
13		.12						.60			.17	.04	13
14		.42						.64		.40		.18	14
15		.77		.09	.01		.35		.12				15
16			1.04	1.46	.04		.08		.01	.23		.01	16
17			.03	.03	.60					.01			17
18			.35				.17	.12					18
19			.23				.01			.01	.11		19
20					.03	.04							20
21		.04			.94		.03	.02		.05			21
22		.70			.70		.66		.59		.02		22
23	1.84	.54	.05				.25		.07				23
24				.17	.07			.78	.10			.07	24
25		.97			.22			.01			.69		25
26						.10	.09			.15	1.71		26
27			.57			.43		.15		.63	.01		27
28	.02		.25										28
29	.12		.02								.45		29
30			.06					.70	.05	.15		.03	30
31							.58	.19		.39			31
	3.24	3.61	4.01	2.46	5.44	.88	3.22	3.83	5.65	2.63	6.20	1.53	

The average rainfall for Massachusetts as deduced by the State Department of Health from long continued observations in various parts of the State is 44.60 inches. The rainfall at Reading Pumping Station in 1919 was 42.70 inches, making a deficiency of 1.90 inches. There was an excess of rainfall in the months of March, May, September and November of 6.45 inches and a deficiency in the other eight months of 8.35 inches. The most of the excess occurred in September and November, 4.58 inches. The greatest deficiency occurred in June and December amounting to 4.51 inches.

COMMONWEALTH OF MASSACHUSETTS — STATE DEPT. OF HEALTH

WATER ANALYSIS — (PARTS IN 100,000)

No.	Date of Collection	Appearance: Turbidity	Appearance: Sediment	Appearance: Color	Residue on Evaporation	Ammonia: Free	Ammonia: Albuminoid	Chlorine	Nitrogen as: Nitrates	Nitrogen as: Nitrites	Oxygen Consumed	Hardness	Iron	
	1919													
144966	Jan. 20	Cons. iron	Cons. iron	.90	12.10	.0194	.0166	1.30	.0080	.0005		2.6	.440	Filter Gallery
144967	Jan. 20	None	None	.25	18.00	.0006	.0092	.85	.0120	.0001		6.9	.100	Filter Weir
145688	Mch. 18	Distinct iron	Cons. iron	.60	8.60	.0116	.0126	1.08	.0100	.0000		2.5	.190	Filter Gallery
145689	Mch. 18	Very slight	Very slight	.14	14.20	.0000	0026	.61	.0060	.0000		5.7	.085	Filter Weir
146241	May 19	Distinct iron	Cons. iron	Turb. .90	8.60	.0128	.0142	.94	.0110	.0000		3.1	.240	Filter Gallery
146242	May 19	Very slight	None	.25	15.90	.0004	.0042	.68	.0060	.0003		6.1	.090	Filter Weir
148536	Sept. 23	Distinct iron	V. cons. iron		12.10	.0218	.0226	2.40	.0060	.0000		2.3	.600	Filter Gallery
148537	Sept. 23	Very slight	Very slight	.21	18.10	.0002	.0074	1.38	.0070	.0000		7.6	.075	Filter Weir
149871	Nov. 20	Distinct iron	Cons. iron	.90	11.80	.0194	.0236	1.92	.0060	.0000		2.6	.380	Filter Gallery
149872	Nov. 20	Very slight	Very slight	.28	18.30	.0018	.0096	1.27	.0040	.0000		7.7	.060	Filter Weir

SUMMARY OF STATISTICS

For the Year Ending December 31, 1919

In form recommended by the New England Water Works Association

Reading Water Works
Reading, Middlesex County, Massachusetts
General Statistics

Population by Census of 1915: 6,805.

Date of construction: 1890 and 1891.

By whom owned: Town of Reading.

Source of supply: Filter gallery and artesian wells.

Mode of supply (whether gravity or pumping): Pumping.

Pumping Statistics

1. Builders of pumping machinery: Sullivan Machinery Co., George F. Blake Manufacturing Co. and Platt Iron Works.
2. Description of fuel used
   - a Kind: Coal.
   - b Brand of coal: New River.
   - c Average price of coal per gross ton, delivered: $7.32.
   - d Percentage of ash:
   - e Wood, price per cord: $
3. Coal consumed for the year: 627,172 lbs.
4. [Pounds of wood consumed] divided by three, equals equivalent amount of coal lbs.

4a. Amount of other fuel used:

5. Total equivalent of coal consumed for the year equals (3) plus (4) lbs.
6. Total pumpage for the year: 94,534,268 gallons, with allowance for slip.
7. Average static head against which pumps work: 219.
8. Average dynamic head against which pumps work: 240.
9. Number of gallons pumped per pound of equivalent coal (5): 150.
10. Duty equals: $\frac{\text{gallons pumped (6)} \times 8.34 \text{ (lbs.)} \times 100 \times \text{dynamic head (8)}}{\text{Total fuel consumed (5)}}$ equals 30,331,121.

Cost of pumping, figured on pumping station expenses, viz: $4,966.30.

11. Per million gallons pumped: 52.53.
12. Per million gallons raised one foot (dynamic)

FINANCIAL STATISTICS

Receipts		
Balance brought forward:		
(a) From ordinary maintenance) receipts		$ 3,471.84
(b) From extraordinary receipts (bonds, etc.) ..		
Total		3,471.84
From Water Rates:		
A Fixture rates		
B Meter rates	$23,536.13	
C Total from consumers		$23,536.13
D For hydrants	6,030.00	
E For fountains	100.00	
F For street watering		
J Total from municipal departments		6,130.00
L From bond issue		
M From other sources:		
Rent, interest, etc.		317.49
Service pipes		1,318.16
Main pipes		1,737.70
N Total		$36,511.32

Expenditures		
Water Works Maintenance:		
AA Operation (management and repairs)	$14,513.72	
CC Total maintenance		$14,513.72
DD Interest on bonds		5,637.50
(CC plus DD)	20,151.22	
EE Payment of bonds		3,200.00
Water Works Construction:		
GG Extension of mains	1,954.97	
HH Extension of services	2,567.61	
II Extension of meters	320.32	
JJ New supply	1,695.32	
KK Total construction		6,538.22
MM Balance:		
(aa) Ordinary		
Total balance		6,621.88
N Total		$36,511.32

DISPOSITION OF BALANCE—Carried to New Account

O Net cost of works to date $398,044.09
P Bonded debt at date 131,000.00
Q Value of Sinking Fund to date .....
R Average rate of interest: 4 per cent.

Statistics of Consumption of Water

1. Estimated total population at date: 6,855.
2. Estimated population on lines of pipe: 6,800.
3. Estimated population supplied: 6,750.
4. Total consumption for the year: 94,534,298 gallons.
5. Passed through meters:
6. Percentage of consumption metered:
7. Average daily consumption: 258,993.
8. Gallons per day to each inhabitant: 37.78.
9. Gallons per day to each consumer: 38.
10. Gallons per day to each tap: 146.3.
11. Cost of supplying water, per million gallons, figured on total maintenance, (item CC): $153.52.
12. Total cost of supplying water, per million gallons, figured on total maintenance, plus interest on bonds: $213.05.

Statistics Relating to Distribution System Mains

1. Kind of pipe: Cast iron.
2. Sizes: From 6 inch to 12 inch.
3. Extended: 0 feet during year.
4. Discontinued: 0 feet during year.
5. Total now in use: 33.39 miles.
6. Cost of repairs per mile: $4.84.
7. Number of leaks per mile: 0.
8. Length of pipe less than 4 inches in diameter: 0 miles.
9. Number of hydrants added during year (public and private): 0.
10. Number of hydrants (public and private) now in use: 201.
11. Number of stop gates added during the year: 1.
12. Number of stop gates now in use: 312.
13. Number of stop gates smaller than 4 inch: 0.
14. Number of blow-offs: 14.
15. Range of pressure on mains: 45 lbs. to 90 lbs.

Services

16. Kind of pipe: Cast iron, galvanized iron, lead and cement lined.
17. Sizes: 3-4 to 6 inches.
18. Extended: 1,938 feet.
19. Discontinued: 112 feet.
20. Total now in use: 26,929 miles.
21. Number of service taps added during year: 25.
22. Number now in use: 1,770.
23. Average length of service, 1919: 77.5 feet.
24. Average cost of service for the year:
25. Number of meters added: 40.
26. Number now in use: 1728.
27. Percentage of services metered: 97.
28. Percentage of receipts from metered water: (B) divided by (C).
29. Number of motors and elevators added, 0.
30. Number now in use: 0.

Lewis M. Bancroft, Superintendent.

REPORT OF TREASURER

To the Citizens of Reading:

During the year 1919 the following Coupon Bonds have been sold: $12,000 4½% due $1,000 each year for four years and $500 due each year for sixteen years, authorized at the special town meeting held in October, 1918. $20,000 4¾% due $1,000 each year for twenty years, authorized at the annual town meeting in March, 1919.

Also the following registered notes were sold: $3,000 5% payable $1,500 in 1920 and $1,500 in 1921, authorized at a special town meeting held Nov. 5, 1919. The above bonds and notes were issued to complete the reconstruction work at the Municipal Light Plant.

There was also sold a 6-months 5% note for $6,500, due May 28, 1920, for the purpose of purchasing coal for the Municipal Light Department. This was authorized at the special town meeting held Nov. 5, 1919.

There were no bonds sold for general town purposes or the Water Department. At a special town meeting held June 9, 1919, $5,000 Sewer notes were authorized for connecting sewers but none of these notes were sold until January, 1920.

The amount of temporary loans authorized by law in anticipation of revenue for 1919 was $239,955.55. Notes have been issued as follows: $52,000 account refunding loans made in 1918 and $231,000 authorized loans of 1919, leaving a balance of $6,955.55 unissued for 1919.

There were loans amounting to $100,000 outstanding Jan. 1, 1920, a decrease of $27,000 over last year. This decrease and the unissued balance of $6,955.55 may be accounted for by the unusually large tax collections for 1919, $165,179.31 having been paid out of a total levy of $244,000 or 67½%.

HENRY H. KINSLEY, Treasurer.

TREASURER'S REPORT, CEMETERY BEQUEST FUND
DECEMBER 31, 1919

DEBTOR

Jan. 1, 1919:			
To cash balance Dec. 31, 1918 ..	$ 368.86		
To cash payment of notes	3,500.00		
To cash sundry bequests	1,329.05		
To interest	1,073.77		
		$	6,271.68

CREDITOR

By payment care of lots	907.50		
By investment	3,111.77		
Dec. 31, 1919:			
By cash balance in Mechanics' Savings Bank	2,158.36		
By cash on hand	94.05		
		$	6,271.68

HENRY H. KINSLEY, Treasurer.

TREASURER'S REPORT, GEORGE F. BUCK TRUSTEE FUND

DEBTOR

Jan. 1, 1919:			
To cash balance from Dec. 31, '18	$ 55.65		
To interest	2.50		
		$	58.15

CREDITOR

Dec.31,1919:			
By balance cash on deposit in Mechanics' Savings Bank	58.15		

HENRY H. KINSLEY, Treasurer.

Water Department

DEBTOR

Jan. 1, 1919:		
To balance from Dec. 31, 1918 ..	$ 3,471.84	
To cash deposits by Water Commissioners	33,039.48	
		$ 36,511.32

CREDITOR

Dec. 31, 1919:		
By payments per voucher	$ 29,889.44	
By balance cash on hand	6,621.88	
		$ 36,511.32

HENRY H. KINSLEY, Treasurer.

Municipal Light Department

DEBTOR

Jan. 1, 1919:		
To balance from Dec. 31, 1918 ..	$ 5,893.54	
Deposits Mun. Light Dept.	197,744.70	
		$ 203,638.24

CREDITOR

Dec. 31, 1919:		
Payment as per vouchers	$ 202,243.35	
Cash on hand	1,394.89	
		$ 203,638.24

HENRY H. KINSLEY, Treasurer.

TREASURER'S REPORT, TOWN OF READING, DEC. 31, 1919

DEBTOR

Jan. 1, 1919:		
To balance from Dec. 31, 1918 ..		$ 19,675.09
H. M. Viall, Collector, Taxes, Interest and Moth Assessments ..	$ 242,357.22	
Interest on bank deposits	839.04	
Bay State St. Ry. tax, 1917 and 1918, plus interest	7,583.53	
Commonwealth of Massachusetts:		
Corporation Tax	8,574.40	
Income Tax	22,931.53	
National Bank Tax	1,198.44	
Aiding Mothers	1,230.80	
State Aid and Burial of Soldiers	3,203.16	
Soldiers' Exemption	182.72	
Reading Water Works	3,200.00	
Revenue Loans borrowed	283,000.00	
Electric Light Department loan	11,000.00	
Miscellaneous receipts	25,512.25	
Total Receipts		610,813.09
Total Cash		$ 630,488.18

CREDITOR

1919		
By discount Revenue Loans	$ 7,658.06	
State Tax	19,588.80	
National Bank Tax	610.37	
Metropolitan Sewerage Loan ..	12,046.99	
State Highway Repairs	4,779.43	
Fire Prevention	117.90	
General Town Notes and Bonds paid	26,300.00	
Revenue Loans Paid ..... ($127,000 of this amount was borrowed in 1918)	310,000.00	
County Tax	9,494.30	
Payments Account Sewer Dept.	3,666.48	
Other payments as per vouchers	231,414.57	
1919		
Dec. 31 Petty cash on hand	1,500.00	
Dec. 31 Cash on deposit in banks .	3,311.28	
		$ 630,488.18

HENRY H. KINSLEY, Treasurer.

REPORT OF BUILDING INSPECTOR

To the Honorable Board of Selectmen:

Gentlemen—I herewith submit the following report of the Building Inspector for the year ending December 31, 1919:

The number of permits granted for new residences was eighteen (18). The approximate cost was seventy-four thousand three hundred and fifty (74,350) dollars. The number of permits granted for new garages was eight (8). The approximate cost was three thousand two hundred (3,200) dollars.

The number of permits granted for alterations to existing buildings was four (4). The approximate cost was one thousand and fifty (1,050) dollars.

There were also quite a number of small alterations that did not require a permit.

I would suggest a new arrangement of issuing permits in place of the one we now have. The present one consists of merely a slip of paper which is given to the applicants when they file their applications. In place of that I would recommend using a card 8 inches by 10 inches, with the word "Permit" printed in large letters, and that it be tacked upon the building in some conspicuous place, where it can be easily seen from the street. The expense of these cards would not amount to much. There is another matter I wish to call your attention to, and that is, revising the building laws. There was a committee appointed by Mr. Morton two years ago to revise them. Some of the committee met one evening, but as they were not all present, the matter was laid over for some future evening. "Results"—nothing.

I would suggest that this matter be given immediate attention, as they certainly do need it.

Respectfully submitted,

GEORGE H. SIDEBOTTOM,

Building Inspector.

REPORT OF INSPECTOR OF ANIMALS

To the Honorable Board of Selectmen, Reading, Mass.:

I wish at this time to submit my report as Inspector of Animals.

During the early part of 1919 every place where neat cattle, sheep, swine or goats were kept was inspected and passed upon; also the animals upon such premises. With few exceptions they were found to be both healthy and well kept. Those to the contrary were dealt with according to conditions and promptly rectified. Cases of disease were disposed of and premises disinfected. A strict lookout being kept for further spread from such places.

It would appear that much of the interest which was taken when the slogan started in Reading, "Everybody Keep a Pig," has died away, for there were less good ones this year than for the past two years. People think pigs require no care and will grow well on anything, but many have found out differently this year if they can figure straight. It would appear that in most cases, at least, the Town health authorities would be justified in returning to their original orders regarding proper distances and conditions of keeping swine.

Many people show little regard for neighbors and it is practically impossible to adjust all complaints satisfactorily without some fast rules. At present there are several hundred pigs in town, most of which have been treated against swine plague, and hog cholera, which are two at least of the most expensive diseases known to breeders and raisers.

Orders have been received to make another annual inspection before March 1, 1920, which I shall endeavor to do in the same impartial manner as heretofore.

Yours

C. H. PLAYDON, M. D. V.

Feb. 1, 1920.

REPORT OF SUPERINTENDENT OF FIRE ALARM

To the Board of Fire Engineers:

During the year there has been two miles of new wire, and 54 cross arms placed on the line. The trees have been insulated with tree moulding. I find I shall need moulding and more cross arms. The whistle machine will have to have new pinion shaft and gear for the regulating jars and new cable. With a few repairs the system will be in first-class order.

L. T. EAMES, Supt. Fire Alarm.

REPORT OF THE PLANNING BOARD

The Planning Board respectfully submits to the Town its fourth annual report covering the year ending December 31, 1919.

The vacancy on the Board left by the resignation of Mr. James P. Carleton was filled early in the year by Mr. Henry Q. Millett.

During the early months of the year the Board studied the problem of the disposal of soft coal ashes from various public buildings and industrial establishments. A report on this matter was submitted to the Board of Selectmen. This report showed that from places where soft coal ashes are made and not used by the producers, at least 912 cubic yards of ashes are removed annually at a total cost of over $300.00 to the owners. This special report suggested the possibility of such ashes being collected by the Town and stored until they would be required for such work as building foundations for sidewalks.

In June the five members of the Planning Board were appointed members of a Special Committee to examine the advisability of erecting a municipal garage and prepare plans therefor. This appointment was made by the moderator, of a special town meeting, according to special instructions at the meeting. In connection with this work the Board visited the site of the town lot on Pleasant Street, which seems as a result of previous investigation to be best suited for a municipal garage.

The present police station was also investigated with the idea that in building a municipal garage on this site, more up-to-date and highly necessary improvements in the police accommodations could be made.

Mr. Walter B. Nichols was employed to make a topographical survey of the Pleasant St. lot, giving grade lines and location of present buildings.

Information has been received from the Selectmen and various department heads of the Town as to the amount of garage space required and also the amount of space for general storage, should the design of the building permit of such.

Architects have been employed to furnish sketches of a suitable garage building on the Pleasant St. lot, which will meet the requirements of the town, not only at present but also for some years to come.

In December several members of the Planning Board attended the Annual State Convention of Planning Boards at the State House, taking some active part in the proceedings, much to the credit of our Town.

Respectfully submitted,

CHESTER J. WALLACE, Chairman
RAYMOND B. TEMPLE, Secretary
HENRY Q. MILLETT
LEONE F. QUIMBY
CLARENCE C. WHITE

ANNUAL REPORT

OF THE

SCHOOL COMMITTEE

OF THE

TOWN OF READING

For the Year Ending December 31

1919

SCHOOL COMMITTEE

Walter S. Parker, Ch., 55 Walnut St.	Term expires 1920
Leone F. Quimby, 25 Howard St.	Term expires 1920
Arthur N. Mansfield, 107 Woburn St.	Term expires 1921
Mrs. Elizabeth H. Brown, 83 Prospect St.	Term expires 1921
Mrs. Ruth A. Lumsden, 86 Woburn St.	Term expires 1922
Jesse W. Morton, 114 Woburn St.	Term expires 1922

Superintendent of Schools

Adelbert L. Safford — 78 King Street

Office

High School. Hours: School days, 8.30 to 9.30 A. M.

Attendance Officer

Edwin L. Hutchinson, 6 Grove St. — Office, 187 Main Street

School Physician

Charles R. Henderson, M. D. — 126 Woburn Street

Janitors

High School, Clement Gleason	64 Orange St.
High School Matron, Ara A. Pratt	29 Orange St.
Highland School, Jesse N. Hutchinson	79 Bancroft Ave.
Grouard House, Charles H. Stinchfield	20 Highland St.
Center School, David W. Pigueron	88 Orange St.
Union St. School, David W. Pigueron	88 Orange St.
Lowell St. School, Sylvanus L. Thompson	167 Lowell St.
Prospect St. School, Fernando O. Wyman	
Chestnut Hill School, Jos. J. Farpelha	Curtis St.

ORGANIZATION OF SCHOOL COMMITTEE

WALTER S. PARKER, Chairman

ADELBERT L. SAFFORD, Secretary

Sub-Committees

FINANCES AND ACCOUNTS

A. N. Mansfield — L. F. Quimby — J. W. Morton

BOOKS AND SUPPLIES

J. W. Morton — Mrs. Ruth A. Lumsden — W. S. Parker

SCHOOL HOUSES AND PROPERTY

A. N. Mansfield — J. W. Morton — L. F. Quimby

RULES AND REGULATIONS

Mrs. Elizabeth H. Brown — L. F. Quimby — A. N. Mansfield

TEACHERS AND SALARIES

L. F. Quimby — W. S. Parker — J. W. Morton

MUSIC AND DRAWING

Mrs. Ruth A. Lumsden — J. W. Morton — Mrs. Elizabeth H. Brown

COURSE OF STUDY

L. F. Quimby — Mrs. Ruth A. Lumsden — J. W. Morton

REPORT OF THE SCHOOL COMMITTEE, 1919

To the Citizens of Reading:

The School Committee of Reading in accordance with the requirements of law submits the following report for the year 1919. The educational situation at the present time is a critical one not only for Reading but for the state of Massachusetts and for the whole country. The most important single factor in the cause of educational advancement is the teacher. The scarcity of skillful efficient teachers is something alarming. Many schools in the back districts have been closed because of the lack of teachers. Even in our cities many schools are crippled when teachers are sick because no substitutes can be obtained. President Faunce of Brown University recently declared that the entire public school system is liable to collapse. There were 145,000 teachers in the United States who resigned last year. Normal school attendance has been cut in two because young people are not taking up teaching on account of the low wages paid to teachers. A very serious condition exists everywhere in the educational field.

A great unrest is apparent in all industrial centers and the farmers everywhere are beginning to feel the stress of scarcity of laborers and the call for shorter hours—all of which will tend to advance the price of all products. Work seems to be in the discard.

The School Committee has asked for increased appropriations to meet the request of the teachers for more pay. Nearly eighty per cent of the entire budget is for salaries. We must not forget that the purchasing power of the dollar has been reduced about one-half. Attention is called to the financial part of the superintendent's report which merits your careful study. Outside of salaries and the items of fuel, transportation of pupils, and repairs, the amount asked to be appropriated for 1920 is $440.09 less than was expended for the same purposes three years ago, in 1917. In the mean time the price of text-books and of all kinds of supplies has steadily increased as well as the number of pupils in the schools. This fact is mentioned to show that every effort has been made to keep down the budget to the lowest point consistent with maintaining a reasonable degree of efficiency in the schools. The appropriation requested is as follows: For maintenance of the Public Schools, General Account, $100,450; for the Agricultural Account, $5,250; for Tuition to State Industrial Schools, $150.

Last year attention was called to the fact that in many towns and cities a School Nurse is employed to follow up the cases reported by the School Physician and to assist in many ways in looking after the health and promoting more efficiently the physical welfare of the pupils. There is a bill before the legislature at this time making the employment of such a nurse obligatory. We are not mindful at all times of the well-known fact that the child is made up of a three-fold nature, physical, mental and moral; that the three are mutually dependent upon one another; and that the physical is the basis. A sound mind must have a sound body. The three-fold nature of the child is so constituted that you cannot separate them. There is a unity in the personality of everyone that must be reckoned with in the educational process. Therefore any system of education is defective which neglects the training of either physical, mental, or moral nature.

The importance of the schools and particularly the value and importance of the services of teachers seem to be less appreciated that formerly. Many persons have assumed a critical and sometimes even a contemptuous attitude. Governor Coolidge in his address at Harvard College Commencement last June called attention to this dangerous trend of public sentiment. He said in part as follows, "The Constitution (of Massachusetts) declares that 'wisdom and knowledge, as well as virtue, diffused generally among the body of the people are necessary for the preservation of their rights and liberties.' John Adams and James Bowdoin knew that freedom was the fruit of knowledge. These principles there laid down with so much solemnity have now the same binding force as in those revolutionary days when they were recognized and proclaimed. Then the teacher spoke with the voice of authority. He was treated with deference. He held a place in the community that was not only secure but high. The rewards of his service were comparatively high.

Teaching is now the same high calling, but how lacking in comparative appreciation. We pay a good price to bank men to guard our money. We compensate liberally the manufacturer and the merchant; but we fail to appreciate those who guard the minds of our youth. We have lost our reverence for the profession of teaching and bestow it on the profession of acquiring.

This will have such a reaction as might be expected. In our pursuit of prosperity, we have forgotten and neglected its foundations. I am directing attention to the great mass of teachers and clergymen. They are not properly appreciated or properly paid. They have provided the foundations of our liberties. The importance of their position cannot be overestimated. These influences so potent in the development of Massachusetts cannot be exchanged for a leadership that is bred of the market-place, to her advantage. The pur-

pose set forth in the Constitution is clear and plain. It recognized with the clear convictions of men not thinking of themselves that the cause of America is the cause of education, but of education with a soul, a trained intellect but guided ever by an enlightened conscience. We of our day need to recognize with the same vision that when these fail America has failed."

The terms of Leone F. Quimby and Walter S. Parker expire at the end of February 1920. These two vacancies are to be filled by election at the annual town meeting.

WALTER S. PARKER, Chairman
ELIZABETH H. BROWN
RUTH A. LUMSDEN
ARTHUR N. MANSFIELD
JESSE W. MORTON
LEONE F. QUIMBY
School Committee.

LETTER TO FINANCE COMMITTEE

To the Honorable, the Finance Committee of the Town of Reading, Massachusetts:

Gentlemen:—The School Committee presents herewith for your consideration and recommendations estimates for the school budget for 1920. For the maintenance of the Public Schools, General Account, $100,450; for the Agricultural Account, $5,250; and for the Special Account, Tuition to State Industrial Schools, $150.

In preparing the budget for 1920, it is not too much to say that the School Committee was confronted with an acute crisis—a crisis not peculiar to or confined to Reading but prevailing in greater or less degree throughout the state and nation. For years teachers have been poorly paid compared with the earnings of persons whose abilities and training were of equal extent. While prices have doubled and wages in the industries have made commensurate advances, the salaries of teachers have lagged until they are no longer sufficient to attract new recruits or to hold those already engaged in teaching. Thousands of schools in the United States have been closed the past year because teachers could not be procured at the salaries offered. The National Educational Association and leading newspapers and magazines of the country, recognizing the present emergency as perhaps the greatest that has ever arisen in the history of public education in the United States, have carried on a nation-wide movement for a greater respect and remuneration for the services of teachers. The slogan, "Keep the home fires burning," has given place to "Keep the school doors open." The teachers themselves, as they have been made more and more painfully aware of the growing inadequacy of their cash on hand to provide for their frugal wants, have been presented with three possible ways out: 1—Changing to an industrial occupation. An increasing number are doing this. 2—Organizing as a union affiliated with the American Federation of Labor and seeking to improve their conditions by labor-union methods. Reading teachers during the past year were solicited by representatives of organized labor to form a local union. So far they have refused to entertain the proposition, hoping for another solution of their difficulties. 3—Appealing to the intelligence and fair-mindedness of parents and other citizens to meet the emergency by a substantial increase of teachers' salaries to make them in some degree commensurate with increased cost of living. Every town and city in Massachusetts has

had to consider this problem—even those paying the highest salaries. In some cases the proposed increase has taken the form of a flat increase of $300 to $600 for each teacher in the lower grades and larger amounts for the higher positions; in other cases a percentage increase of 20 to 50 per cent. or more has been proposed. The City of Worcester is typical of a large number of cities and towns in this matter. Certain salaries of teachers in the City of Worcester were increased during the year nineteen hundred nineteen sixty-six per cent. and the smallest increase was forty-four per cent. The present maximum salary in Worcester of women teachers in the Elementary Grades is $1,600; women teachers in the High School, $2,500; men teachers in the High School, $3,250; Assistant Principal of the High School, $3,600; Principal of the High School, $4,500.

The Reading Teachers' club, in order to place some definite proposal before the School Committee and the citizens for consideration, presented the following petition:

To the Honorable School Committee of the
Town of Reading:

We, the teachers of Reading, respectfully petition you for a flat raise of $200 for each teacher, the full amount ($200) to be paid between Jan. 1, 1920 and July 1, 1920; on Sept. 1, 1920, an advance of at least $100 for each teacher. We also ask a 20% increase for principals and special teachers.

The reason why we ask for increased salaries and why we hope for a favorable report on this petition, are—

1. The decreased value of the dollar.
2. The increase in the cost of living.
3. To maintain the high professional and social standard required of the teachers of Reading.

Respectfully submitted,

The Teachers of Reading.

Signed:

ALICE E. HOOD
MARION T. PRATT

This petition was accompanied by an endorsement signed by over two hundred citizens and tax payers. The School Committee voted to endorse the request of the teachers and to include in their estimates for 1920 a sum sufficient to enable them to grant the salaries requested. By this schedule of salaries teachers in the Elementary Schools receive a maximum of $1,150; in the Junior High School, $1,250; in the Senior High School, $1,600. The janitors also asked for a twenty-five per cent. increase and it was voted to include this also in the

budget. Under this schedule the maximum for a man on full time is $25 per week. These increases, with amounts required for increases made in September, 1919, for part of the year only, and for additional teachers required by growth in numbers and new compulsory laws relating to educating backward children, supervision of pupils' health, and Americanization, make up the total increase in salaries. The seriousness of such a large increase in one year is fully realized but it is imperative if the disintegration of our teaching force is to be prevented and the integrity of our public schools maintained.

The estimates for 1920, outside of salaries, call for little comment. The amount required is $440.09 less than was expended three years ago in 1917 for the same purposes, with the exception of the three items of transportation of pupils, fuel, and repairs. Transportation of pupils has increased 129.5 per cent. since 1917. This is due to doubling the price of pupils' tickets on the street railway, to higher charges for automobile service, and to a larger number of pupils receiving transportation. The increased cost of fuel is universal and hardly needs comment except to say that during the past two years the School Committee has obtained its soft coal from the Municipal Light Board at cost. In regard to repairs it may be said that owing to increased cost of labor and materials the present appropriation is scarcely sufficient for ordinary up-keep.

The estimates for the Agricultural Department are $464.19 more than the expenditures of 1919, but, as it is all in salaries, will be offset by increased reimbursement of $520 from the State.

The estimate for tuition to Industrial Schools is less than has been asked for previously but accords with the expenditures for the last two years.

Respectfully submitted,

ADELBERT L. SAFFORD, Superintendent.

By order of the School Committee

Reading, Mass., February 2, 1920.

REPORT OF SUPERINTENDENT OF SCHOOLS, 1919

To the Honorable, the School Committee of the Town of Reading, Massachusetts

I beg leave to submit herewith the twenty-seventh annual report of the Superintendent of Schools, the seventh report of the present incumbent of that office.

Encouraged by the belief that the winning of the war was ushering in a new era of social progress, the schools entered upon the year nineteen hundred nineteen with high hopes and eager anticipations. Relieved of the distractions and interruptions of the war period, the work has gone on with renewed energy and initiative but the war's aftermath has brought the schools face to face with new problems more critical and difficult to solve than any that the war period itself presented. The scarcity and high cost of materials and labor during the war increased greatly the expenditure for overhead maintenance and postponed until the close of the war the carrying out of any plans for expansion and permanent improvements: not only those plans involving the introduction of new features such as a school nurse, evening school for Americanization, and special classes for pupils mentally retarded and physically below normal health but also, what was far more serious, the improvement of the Center and Union Street schoolhouses, the building of a new schoolhouse to provide additional schoolrooms, and the addition of several new teachers to bring the size of the classes down to a number consistent with the best interests of the children. The closing of the war instead of relieving the situation as was expected and giving an opportunity to catch up with the program of development and progress in the schools has made the financial situation worse. Nearly everything is scarcer and higher than during the war and the policy of procrastination can no longer be justified by expectations of an early relief from the present inflation. The citizens must now face the problem squarely and determine what degree of excellence in view of the increased cost they are able and willing to pay for in the education of their children. The soundness of American education in its essential principles has been fully demonstrated. It stood the test of the war and the conviction that education is a profitable investment for the community and essential for its prosperity and safety was never so strong as it is today. Such defects in education as were revealed by the war could have been

avoided if the citizens of some of the communities had not allowed their schools to fall far below the standards of the best American schools. Illiteracy, poor physical condition, neglected health precautions, lack of training in a chosen vocation, and ignorance of the principles and practice of American democracy,—these were the principal defects in education revealed by the war and these can and should be avoided in every American community. To do less than this is unprofitable and may be dangerous. Mr. C. R. Mann in "The American Spirit in Education" says, "The schools must recognize as the army has that every citizen has abilities that render him capable of some useful service and it is the function of the educational system to discover each individual's ability and develop it." The idea that ten per cent. more or less of failures was to be expected has been accepted too complacently. The physical, intellectual, or moral causes of failure should be discovered and the individual redirected and reeducated in such a way as to awaken his interest, furnish him with a compelling motive, and provide the point of contact for the impelling power to action generated by habitual success. As a humanitarian service to the unfortunate but even more urgently as a sound economic measure for the welfare of society, education ought to salvage the "scrap-heap" of adolescence. Mr. E. C. Baldwin in "The Educator's Problem from the Business Man's Standpoint" asks very pertinently, "Can we not then measure educational standards by the degree in which they increase the individual's power of production, enlarge his capacity for happiness, and strengthen his purpose to live in harmony with other men?" The Commission on the Reorganization of Secondary Education, appointed by the National Education Association defines the goal of Education in a democracy thus: "It is the ideal of democracy that the individual and society may find fulfillment each in the other. The purpose of democracy is so to organize society that each member may develop his personality primarily through activities designed for the well-being of his fellow members and of society as a whole. Consequently, education in a democracy, both within and without the school, should develop in each individual the knowledge, interest, ideals, habits, and powers whereby he will find his place and use that place to shape both himself and society toward ever nobler ends. This commission, therefore, regards the following as the main objectives of education: 1—Health. 2—Command of fundamental processes. 3—Worthy home-membership. 4—Vocation. 5—Citizenship 6—Worthy use of leisure. 7—Ethical character. It is the firm belief of this commission that secondary education in the United States must aim at nothing less than complete and worthy living for all youth, and that therefore the objectives described herein must find place in the education of every boy and girl. The doctrine that each individual has a right to the opportunity to develop the best that is in him is reinforced by the belief in the potential, and perchance

unique, worth of the individual. The task of education, as of life, is therefore to call forth that potential worth."

A survey of the Reading schools with regard to the accomplishment of these seven objectives of education would show that effective work is being done in many respects but that in some particulars the desired ends are not attained because of lack of necessary facilities. More money is needed: 1—For improvements in the school plant. 2—For the promotion of health and an expert study of the special needs of individual pupils. 3—For more teachers and a few additions to the program of studies to satisfy the requirements of some of the objectives enumerated above.

These problems, however, have been overshadowed at present by a situation of another sort that has reached an acute stage; a crisis has been reached in the demands of the teachers for increased salaries, commensurate with the increased cost of living or at least sufficient to check the wholesale exodus of teachers into other occupations. Throughout the whole nation schools have been closed in large numbers because teachers—even of an inferior type—could not be procured. Pupils in Normal Schools have decreased in numbers to an alarming extent. Conferences of school officials are being held everywhere to consider means of meeting the emergency. Another movement, covering a large part of the United States, has aimed to organize all teachers into unions affiliated with the American Federation of Labor. Labor unions undoubtedly perform a useful function in industrial life but teaching in its best expression is a calling not a job. It is more than a means of livelihood; it is a mission, a consecrated service to humanity not remotely different in spirit from that of the preacher or the missionary or—better still, perhaps—of the mother that makes a good home and brings up her family of children to be respected, useful, and happy citizens. The giving and receiving between teacher and pupil cannot be measured by the hands of the clock. "There are no clocks in the forest of Arden." It would be a sad day, indeed, and full of grave forebodings if teachers should lose the vision of their mission as the guides, companions, and inspirers of youth. Such a spirit of service and consecration to an ideal is incompatible with the methods of trade-unionism. The teachers of Reading were solicited by out-of-town organizers last year to form a union affiliated with the American Federation of Labor. Thus far they have refused to entertain the proposition hoping for some other solution of their difficulties that will be compatible with their loyalty to their ideals of service. Many school officials feel that the public schools are facing the most serious crisis that has arisen in this generation, if not in their whole history. Shall the standards of the schools and the morale of the teaching force be maintained? The answer rests with the citizens of Reading. Many communities have already given their answer by

rallying to the support of the teachers and making generous increases in their salaries—in some instances more than fifty per cent. The town of Belmont has established a salary of $1,400 for grades 1—6; $1,500 for Junior High School; and $1,750 for the Senior High School. The School Committee has recommended another increase of $100 to take effect in September, 1920. Arlington and Winchester are doing as well or better. Worcester has established a salary of $1,600 for the Elementary Schools; $2,500 for women teachers in the High Schools; $3,200 for men in the High Schools; $3,600 for Assistant Principals and $4,500 for Principals. These towns and cities are not exceptional. The Reading teachers, through a committee of the Reading Teachers' Club, have made a request for a flat increase of $300 for the regular teachers and a 20 per cent. increase for Principals and special teachers. The amount asked is moderate in comparison with increases asked by teachers in other towns and cities, especially when the comparatively low salary which they now receive is taken into consideration. If the Reading teachers are granted what they have asked they will still be receiving $250 less than the teachers of Belmont in the Elementary and Junior High Schools, and $450 less than the teachers of Worcester in Grades 1—6.

Revision of the Program of Studies

In the Elementary Schools a careful and comprehensive revision of the Program of Studies has been undertaken in co-operation with the Reading Teachers' Club which has a general Committee on Curriculums and Sub-Committees for each grade of the Elementary Schools. In the Junior and Senior High Schools the work is departmentalized and the Program of Studies is formed through the contributions of the teachers of the several subjects in co-operation with the Principal and Superintendent. The sub-committees for the several elementary grades have held numerous meetings to consider the curriculums in Arithmetic, Geography, and English; some of the teachers have visited schools in other towns for the purpose of studying particular curriculums; and all have consulted reference books dealing with the content and best method of presenting the subjects under consideration. Preliminary outlines are being issued as fast as they are ready. A year or two may be required to perfect the details of the several branches and bring out the program of studies in completed form.

Adjustment of the School to Individuals

In the Junior and Senior High School special efforts have been made to discover individual capacities and needs and make suitable adjustments to satisfy them, to establish more accurately standards of scholarship by marking pupils more scientifically and accurately, and to make clearer to pupils and parents the significance of the

school marks. The subject has been discussed to some length in teachers' meetings and in individual conferences and considerable use has been made of Scales of Quality of Work. The Geneseo, Illinois Scale of Qualities of Work, now in use experimentally in the Reading Junior and Senior High Schools with minor changes, is as follows:

Scholarly work of an exceptionally high grade, indicated by the letter "A". I. Knowledge of subject-matter: 1—Memory and thought questions answered intelligently and fully; a, No guessing; b, No help from the teacher. 2—Topical recitation: a, Assigned work given clearly and thoroughly; b, Outside information and volunteering expected. 3—Written work: a, Statements briefly but clearly given, fully covering the assignment; b, Careful in wording, form, thought, penmanship, spelling, punctuation, and neatness. II. Preparation: 1—Constant daily preparation and regularity in attendance. 2—Preparation done rapidly and thoughtfully. 3—Written work done on time. 4—Directions of the assignment followed as an outline. III. Attitude: 1—Attitude in recitation: a, Good position, standing and sitting; b, Alert and attentive. 2—Attitude towards preparation of lessons: a, Ability to work alone; b, Good judgment and self-control in use of time. 3—Attitude towards team-work: a, Shows leadership as well as respect for the rights, privileges, and opinions of others; b, Co-operates with the teacher and other members of the class in a socialized recitation.

Good work, deserving commendation and adequate to meet college entrance requirements, indicated by the letter "B". I. Knowledge of subject-matter: 1—Answers to questions well-directed in thought and showing a grasp of essential points. 2—Topical recitation: a, Completes assigned topics; b, Frequent volunteering expected. 3—Written work: a, Statements brief and clear, covering assignments in substance; b, Careful in wording, form, thought, penmanship, spelling, punctuation and neatness. II. Preparation: 1—Constant daily preparation and regularity in attendance. 2—Preparation done thoughtfully. 3—Written work in on time. 4—Directions of assignment followed as an outline. III. Attitude: 1—Attitude in recitation: a, Good position, standing and sitting; b, Alert and attentive. 2—Attitude towards preparation of lessons: a, Ability to work without much assistance; b, Good judgment and self-control in use of time. 3—Attitude towards team-work good.

Fair work, not wholly satisfactory, indicated by the letter "C". I. Knowledge of subject-matter: 1—Irregular answers, not well-directed in thought.2—Topical recitation: a, One-half of recitation topical; b, Questions from the teacher necessary to complete recitation; c, Some volunteering. 3—Written work: a, Should contain three-fourths of the important facts in the assignment; b, Some care-

lessness in wording, form, thought, penmanship, spelling, punctuation, and neatness. II. Preparation: 1—Daily preparation, constant but insufficient. 2—Not enough time spent in preparation. III. Attitude: 1—Attitude in recitation: a, Attention poor; b, Needs frequent reminding about correct position, standing and sitting. 2—Attitude towards preparation: a, Requires frequent assistance and urging to effort; b, Lack of ability to visualize problems and clothe the language of the text-book with reality; c, Wastes time from lack of concentration and well-directed effort; d, Poor team-work due to lack of spirited co-operation and ability to function effectively at the right moment in team-play as applied to class-room activities; e, Makes up deficiencies due to absence or failure in preparation.

Poor work, passing, but with low standing, is indicated by the letter "D". I. Knowledge of subject-matter: 1—Very irregular answers, thoughtful answers infrequent. 2—Topical recitation: a, Topical recitations seldom made; b, Detailed questions necessary. 3—Written work: a, Written work contains one-half the important facts; b, Serious lack in wording, form, thought, penmanship, spelling, punctuation, and neatness. II. Preparation: 1—Preparation not uniform. 2—Preparation covers only three-fourths of assignment. III. Attitude: 1—Attitude in recitation: a, Poor position, twisting about; b, Inattentive, distracting the attention of others from the class exercise. 2—Attitude towards preparation: a, Unable to accomplish much without tutoring and some compulsion to give attention to work; b, Marked lack of ability to visualize problems and clothe the language of the text-books with reality; c, Cannot be depended on for team-work; d, Makes efforts to make up work lost through absence or failure in preparation.

Failure to pass or to receive credit for a course is indicated by the letter "E". For the purposes of the scale it is not necessary to enumerate in detail the numerous and complicated symptoms of failure. Those should receive very serious attention in connection with remedial measures. The following six are mentioned as typical: 1—Little apparent effort to respond, no volunteering. 2—Only one-half or less of the assignment attempted. 3—Failure to hand in written work on time, if at all. 4—Guessing answers to questions. 5—Written work poor in form and content. 6—No effort to make up work lost through absence or lack of preparation.

A Deficiency Survey for pupils receiving grades C, D, and E is made to ascertain if possible the probable causes of the low grade which may be due to one or more of the following conditions: Lack of ability, aptitude, or effort; misconduct, poor health, nervous condition, loss of morale, irregular attendance, no home-study, heavy program of studies, work outside of school activities, other outside interests and distractions.

If it seems from the survey that the pupil might do better or that he is near failure or already failing to pass, a personal letter is sent by the Principal to the parent explaining the situation and asking for assistance.

Standard Educational Tests and Measurements

One of the teachers of the Junior High School is taking a University Extension Course on Standard Educational Tests and Measurements under the instruction of Prof. Dearborn of the Department of Education of Harvard University. She has conducted several tests in the Junior High School and will give others during the year. In the Senior High School the Otis Intelligence Tests and the Brown University Intelligence Tests have been given to the Seniors and Juniors by members of the faculty in co-operation with a specialist from the graduate department of Boston University. These two mental tests will be correlated with marks for the first semester. The teacher at the head of the Shorthand and Typewriting work has examined and used some tests designed for the selection of employees in shorthand and typewriting. These tests can be found in Link's Employment Psychology. The teachers in all grades are studying the use of the standard scales for measuring results in Arithmetic, Reading, Spelling, Penmanship, English Composition and other branches. One of the simpler manuals on this subject has been furnished each teacher. The teachers in the Elementary Schools are giving special attention also to the Benet-Simon tests of mental retardation in order to be prepared to comply with a law passed in 1919 requiring that all pupils in the town shall be examined before July 1, 1920, and that, if there are found to be ten or more who are mentally retarded three years or more, a separate school for their instruction shall be established. Several of the teachers are studying the "mental hygiene of children," and the "mechanics of character building," including the best methods of dealing with the emotional stresses of childhood and adolescence.

Senior High School

The average attendance of the Senior High School since September, 1919, has been fifty-five pupils more than the previous year. This was due in part to a large entering class and in part to fewer pupils leaving before graduation. Owing to the increased enrollment without a corresponding increase in the teaching force, it was necessary to discontinue regular class exercises in physical training. It is hoped that some arrangements can be made to resume this work in September, 1920. Reports received from pupils who took the examinations for entrance to college and from those who entered on certificate indicate that all gave good accounts of themselves and are doing their college work successfully. In fact, so far as I have been informed, there have been no failures among the many pupils

who have gone to college from Reading High School during the past five years. Yet despite this excellent record some citizen is reported not infrequently to have lamented because Reading High School "could not prepare pupils for college" and to have referred contemptuously to the quality of work done by our pupils. Such a person recently admitted that he had never visited the High School and knew nothing about the quality of work now done there.

The following editorial from the New York World gives food for reflection for those disloyal citizens who, without sufficient cause, undermine the confidence of pupils and parents in their school:

Harvard's Tribute to the High Schools

An analysis made by investigators for Harvard University of the college records of 4000 students who entered Harvard as freshmen during the years from 1902 to 1912 inclusive, shows results of great interest in their bearing on the quality of public-school education.

Boys from private schools passed more creditable entrance examinations, but once in college the students prepared at high schools displayed a higher percentage of scholarship. They won a larger proportion of degrees with honor and they moreover had a much lower percentage of admonitions, probation and disciplinary punishment. It is the conclusion of the investigators that while the private school fits boys for college more successfully—given a boy of fair intelligence trained with his fellows in a democratic public school and you need have no fear that he will suffer in his college record, either in scholarship or deportment, in comparison with his more fortunate classmate who was carefully tutored at a private school.

In the light of this tribute, which is sustained by the carefully compiled statistics, what becomes of the sweeping criticisms of public-school methods of education? A school system that fits boys for the highest rank in scholarship at Harvard must be a pretty satisfactory system. Perhaps the public schools have suffered from the fact that they are too near home to permit of a view of their real merits in the proper perspective. Their advocates have reason to be gratified by the testimony of their thoroughness from the country's leading educational institution.

Graduates from the Commercial Department of Reading High School have never been as successful as last year in securing such desirable positions or such high salaries and rapid promotions.

The Agricultural Department has maintained its high standards of work and a full quota of pupils. Our school was selected by the Massachusetts Agricultural College and the Massachusetts State Board of Education as the first co-operating school to provide a regular three-months' practice course in teacher training. Mr. Scott, the first pupil-teacher sent out by the college under this plan, served as assistant instructor under the direction of Mr. Sussman. The net earnings of the pupils in their home projects were larger than during any previous year. The very interesting report of the instructor, Mr. Sussman, is appended to this report.

The Junior High School

This school has had an especially able corps of teachers during the past year—several of them who have been with the school since its establishment have been assisted by some very satisfactory new recruits. This school each year strengthens the previous conviction of the soundness of the principles on which it was organized. As soon as the Highland building can be relieved of the grades below the Junior High School and a sufficient number of teachers added to reduce the size of the classes to not more than 25 or 30 pupils a substantial gain will be made in the quality of the work and other improvements, such as promotion by subjects can be introduced. Allusion has been made elsewhere to the excellent record that is being made by graduates of Reading High School. This, of course, would be impossible if pupils were not well-grounded by their training in the Elementary Schools and the Junior High School and the fact is often overlooked that these pupils are admitted at five years of age, a year younger than allowed by many neighboring towns and cities, and only eight years without kindergarten or subprimary classes is given to preparation for High School, while many other towns and cities still have nine grades below the High School. Everett and Brookline still have nine grades below the High School and Brookline has the kindergarten also, making two years more than Reading.

The expense in buildings, equipment maintenance and salaries for these two years, if they should be added to the Reading course, would amount to many thousands of dollars annually. It speaks well for the Junior High School that although handicapped by too large classes, its work fits pupils adequately for the High School without all this additional expense and loss of time that would be involved in an additional two years in the course below the High School. The average age of the pupils in the Reading High School is less than in Brookline and bears out the supposition that one or two years are saved by the eight-year course.

Program of Safeguarding Health

One of the most important lessons impressed upon us by the war was the value of health as a national asset.

The National Industrial Conference Board in Research Report Number Six says:

"Few problems are of more vital interest than the conservation of health. The public at large has only a faint conception of the extent to which sickness and disability sap the energies and impair the efficiency of the nation. A broad, constructive program for dealing with this problem is a national need. . . . . There can be no question as to the reality or the great magnitude of the burden which sickness and disability impose on the nation. That one out of every

three young men should be unfit for military service and that at least five out of every hundred of the entire male population should be infected with a systemic disease which is in thousands of cases transmitted to innocent victims, is at once a reflection on national health standards and an indictment of present health conservation programs.

Of every one hundred residents of the United States at least one is inflicted with tuberculosis in some form and a larger number with some organic affection of the heart. An average annual loss by sickness of seven work days by 40,000,000 wage earners represents the loss of almost a full year's production for a million workers. The estimated wage loss of over $500,000,000 per annum from sickness—which takes no account of the incalculable loss due to impaired efficiency on account of illnesses and disabilities that do not result in absence from work—exceeds by a wide margin the total annual dividends of all the railroads in the United States; in a decade this loss amounts to billions of dollars, yet in the long run the monetary loss is perhaps the least important phase of the problem. Not all of this loss is preventable . . . . (but) a vast number of defects and ills which impair efficiency later in life have their origin in early childhood and could be prevented by proper treatment at that time. If it is good policy to safeguard the young by fitting them, through education, for their life work, is it not equally obvious that it is also sound policy to safeguard their health by early expenditure to prevent sickness and disability?"

"Every dollar successfully and economically spent in preventive work is a dollar invested in productive enterprise." A national program for the prevention of all preventable sickness is being formulated. The Children's Bureau of the U. S. Department of the Interior through a series of nation-wide conferences has formulated a tentative program covering the period from infancy through adolescence. The Health Program for Schools is as follows:

"Health is the Birthright of Every Child"

SCHOOL HEALTH PROGRAM

Simple Program

Every school should include in its curriculum, the education of the child in health habits.

In addition to the medical examination already required by law for school children, every child should be weighed and measured and the results sent home on his regular monthly report card. This would necessitate a set of scales in every school.

A child's school record should show, not only his mental progress but his physical progress. Many parents do not realize that mental retardation very often goes hand in hand with physical retardation.

A hot noon lunch or extra nourishment, such as milk or cocoa, should be provided when there are any evidences of malnutrition among the children of a school.

School doctors are already required by law. There should also be provided, an adequate supply of school nurses to properly carry out the instructions of the doctor and to aid in the health education of the child. There must also be active co-operation of teachers, parents and the general public in this program of health education.

Final Program

Standards recommended by the Washington and Regional Conferences on Child Welfare, 1919.

1. Proper location, construction, hygiene, ventilation and sanitation of schoolhouse; adequate room space—no overcrowding.

2. Adequate playground and recreational facilities, physical training and supervised recreation.

3. Adequate space and equipment for school medical work and available laboratory service.

4. Full-time school nurse to give instruction in personal hygiene and diet, to make home visits to advise and instruct mothers in principles of hygiene and nutrition and to take children to clinics with permission of parents.

5. Part-time physician with one full-time nurse for not more than 2,000 children; if physician is not available, one school nurse for every 1,000 children; or full-time physician with two full-time nurses for 4,000 children for:

(a) Complete standardized basic physical examinations once a year, with determination of weight and height at beginning and end of each school year; monthly weighing wherever possible.

(b) Continuous health record for each child to be kept on file with other records of the pupil. This should be a continuation of the pre-school health record which should accompany the child to school.

(c) Special examinations to be made of children referred by teacher or nurse.

(d) Supervision to control communicable disease.

(e) Recommendation of treatment for all remedial defects, diseases, deformities, and cases of malnutrition.

(f) Follow-up work by nurse to see that physician's recommendations are carried out.

6. Available clinics for dentistry, nose, throat, eye, ear, skin and orthopedic work; and for free vaccination against smallpox.

7. Open-air classes with rest periods and supplementary feeding for pre-tuberculars and certain tuberculous children, and children with grave malnutrition. Special classes for children needing some form of special instruction due to physical or mental defect.

8. Nutrition classes for physically subnormal children, and the maintenance of mid-morning lunch or hot noonday meal when necessary.

9. Examination by psychiatrist of all atypical or retarded children.

10. Education of school child in health habits, including hygiene and care of young children.

11. General educational work in health and hygiene, including education of parent and teacher, to secure full co-operation in health program.

It is not too much to hope that the time is not far distant when this entire program can be carried out efficiently in Reading.

The first and most important forward step to take in Reading in health preservation of children is to employ a school nurse and provide a standard examination of each child at least once a year. Systematic physical training for all pupils in the Senior High School should be restored as soon as practicable and provisions for shower baths should be made at the Junior High School for boys and girls and for the girls at the Senior High School. Systematic weighing and measuring of pupils, in all grades, corrective gymnastics for spinal curvature and faulty posture, special class for mentally-retarded pupils, and if cases of malnutrition, anemic and pre-tubercular conditions are found special feedings, rest and fresh-air treatment should be provided for these. The school physician should be able to devote more time to examinations, but this is not so important at present as the employment of a nurse. Some adequate means of testing children mentally retarded must be provided in order to comply with the state law.

There never was a time when education seemed to be more needed to safeguard our national life. There has not been before in this generation such high hopes of substantial improvements in education, so that its benefits may reach every individual boy and girl up to at least eighteen years of age. If it is to cost more as it surely is, it will be worth more. The question is not so much, can we afford it as can we afford to do without it? There can be but one answer. Public Education is the stabilizer of democratic institutions. Our safety as well as our prosperity and happiness as a people are inseparable from an adequate system of public schools.

Respectfully submitted,

ADELBERT L. SAFFORD, Superintendent.

REPORT OF INSTRUCTOR IN AGRICULTURE

Mr. Adelbert L. Safford, Superintendent of Schools of Reading:

Below is a summary of the work of the agricultural department of the High School for the year ending Dec. 31st, 1919. I respectfully submit this summary for your study.

The department has completed four and one-half years of useful work in the community. It is still by far the largest department in the state and its membership has been increased from year to year without solicitation.

The project method of instruction has been held to as in past years not only because of the state requirement in this matter, but also because I believe this method to be the best one to be used in the teaching of any subject; and while it is a physical impossibility to carry out the project method in its most perfect conception in many subjects, agriculture lends itself perfectly to this method of teaching. The real way to learn fundamental principles is to attack those problems of which life is made up. In this way we learn only those things that we will remember and which will be of use to us in our future life.

During the months of January and February of this year the students devoted their attention to farm mechanics. The younger division which made poultry their major project were instructed in the art of constructing poultry houses and equipment. Several fine houses were constructed and are now in use by the student at his home. All materials used were paid for by the students, and only such things as were actually called for by their project were constructed.

The older division were instructed in gas engine repairing and forging. We were fortunate to be able to secure the services of Mr. O. O. Ordway as instructor for the older division and the work was carried on in his well-equipped shop.

I wish to take this opportunity to express to Mr. Ordway our sincere gratitude for his kindness in giving so much time and inspiration to the work with the agricultural boys.

The above statement of the work done during the winter months is simply one phase of the farm mechanics' course as planned to correlate with the regular four-years' course in agriculture.

Farm mechanics which is a broad term and includes: Farm machines, cement work, metal and leather work, has an enormous bearing on the economics of the farm. A proper knowledge of these things will result in keeping down the overhead expenses.

A course in farm mechanics should not aim to make a skilled workman of the student but rather a skilled tinker. He should learn to judge when to repair a piece of farm apparatus and when to call in a skilled workman. Again, he should be able to judge when to undertake the construction of a new building or piece of equipment and when he should turn the matter over to a specialist. For example, the over-hauling of a motor should in most cases be left to a skilled garage man. But every farmer should be familiar enough with his truck, or tractor, to make minor adjustments and repairs. The question often arises as to whether the farmer shall buy or make. It would be poor judgment to make a hinge, for instance. The time used in making a hinge would not be justified in the light of the slight cost of the factory-made article. However, the farmer should be handy enough to repair a broken hinge at the forge.

In March we resumed our regular class-room, laboratory and field instruction, with the project as the central core around which was built the superstructure of theory and practice as the need arose.

The summer work which, as a whole, was similar to the work carried on in other years, had some outstanding features which I believe will show the value of the department and therefore be of interest.

Two of the boys were engaged by a nursery man for the entire summer. They did very satisfactory work. Their employer remarked that they were the best boys he had ever hired. When asked by the instructor how he accounted for their good work, he replied, "They do good work because they are interested and they are interested because they understand why they do certain things which to the untrained boy would only be drudgery, with no apparent aim."

Another important feature of the summer work which gave evidence of the fact that our course develops boys for responsible positions, was the employment of one of our senior boys as herd manager at one of our state institutions. This boy was engaged to take full charge of the dairy and he acquitted himself splendidly.

It is to be noted that wherever our boys have been engaged for work through the agriculturally productive season, they have shown

the value of their training so conclusively that they were eagerly solicited for return engagements.

The table appended hereto shows in detail the work and earnings of the pupils. A slight increase over last year is indicated. Last year it will be remembered was the high pressure year for crop production.

Our fall term opened with an enrollment of 26 boys. For one reason or another this number has been reduced to 22 at this writing.

The group of boys we have at present, I believe, is the best one for some time. They are all very much interested in their work and seem to be particularly motor-minded, which is, of course, very desirable in any vocational course.

This last fall we had the honor and pleasure of being selected as the first school or department in Massachusetts to be assigned an apprentice teacher by the State Board of Education. This man sent us was Mr. Clifton W. Scott, a senior at the Massachusetts Agricultural College.

Mr. Scott's official position in relation to the High School was assistant agricultural instructor.

He was given certain duties to perform under the direction of the agricultural instructor, who instructed him in the art of teaching and class management. Under the direction of Supt. Safford, Mr. Scott made some special studies in Psychology.

Mr. Scott proved to be a very adept student and fitted extremely well into the regular scheme of the school.

The authorities at the Massachusetts Agricultural College were very much pleased with the way in which the apprentice course was handled. They hope to interest other young men in taking this three-months' course. College credits are allowed for this work.

It is my opinion that a course of this kind when properly conducted is of more value to a young man who contemplates going into vocational teaching, than a year of teaching. He gets the right habits and attitude at the start, and knows when and how to get teaching material after an apprenticeship experience.

We were again favored by a large number of visitors to our department this past year. The largest group came in August from Cornell College. This group under the leadership of Prof. Works was made up of representatives of nearly every state in the Union. These men, mostly vocational-education directors, were very much impressed and pleased with the work done in Reading and we have since received from them, many requests for information regarding how we develop certain phases of our work.

All things being considered, this has been the most successful year of the department, and it augurs well for its future.

Thanking all who have co-operated in the development and furtherance of the department, I am,

Respectfully,

RUDOLF SUSSMANN, Agricultural Instructor.

REPORT OF EMPLOYMENT OF AGRICULTURAL

PUPIL	PROJECT		
Age	Title and Scope	Hours of Pupil on Project	Rate Paid Self per Hour
15	11 Hens, raised Chickens, Mangles, Garden Worked on Dairy Farm	224½	.15
15	Home Garden—100x50 ft. Worked in Nursery	52¾	.20
13	Hens, Horse, Pig, Farm Crops. Farm Work	61	.15
14	Home Garden—½ acre. Hens. Farm Work	106	.15
16	Garden—1 acre. Poultry, Pigs. Farm Work	112	.25
17	Garden—1 acre. Farm Work	120	.20
15	Poultry, 15 Birds. Home Garden—½ acre. Worked at Nursery	71¼	.17½
16	7 Hens. Garden—50x55. Worked on Dairy Farm	56⅓	.15
16	25 Birds. Home Garden. Dairy Work	45	.20
18	Home Garden—1 acre	219	.25
18	Home Garden—½ acre. Herdsman	.....	.....
15	Farm Work, Poultry. Home Garden	40	.15
15	Home Garden—100x50 ft. Worked on Market Garden Farm	31½	.25
15	Home Garden—100x75. Farm Work	50	.20
17	Manager Home Farm and Dairy	1965½	.20
16	Home Garden—1 acre. Worked on Market Garden Farm	253⅓	.15
		3408⅚	

PUPILS FOR SCHOOL YEAR ENDING JUNE 26, 1919

PUPILS' PROJECT ACCOUNT			Cash or Credit Received by Pupils from Farm Work During Project Period				
Paid Self for Labor	Net Profit	Pupil's Project Earnings	At Home	Away from Home	Amounts, Including Projects	Other Work than Farm Work	Grand Total of all Work
$33.64	—$41.79	—$8.15	$45.90	$230.23	$267.98	$45.95	$313.93
10.55	8.18	18.73	.....	106.85	125.58	16.00	141.58
24.15	127.88	152.03	42.00	.....	194.03	.....	194.03
15.90	8.33	24.23	.....	68.00	92.23	9.70	101.93
28.00	121.42	149.42	2.25	133.75	285.42	13.20	298.62
24.00	140.30	164.30	.....	104.25	268.55	2.00	270.55
12.47	65.93	78.40	.....	94.70	173.10	59.29	232.39
8.50	12.61	21.11	28.05	94.00	143.16	138.22	281.38
9.00	49.21	58.21	441.25	6.00	505.46	41.65	547.11
54.75	266.64	321.39	.....	.....	321.39	150.00	471.39
.....	.....	.....	80.00	174.26	254.26	180.00	434.26
66.00	48.25	54.25	.....	110.00	164.25	188.50	352.75
7.88	7.30	15.18	.....	257.50	272.68	.....	272.68
10.00	37.07	47.07	.....	7.45	54.52	11.60	66.12
393.10	542.95	936.05	142.60	5.20	1083.85	2.00	1085.85
38.00	95.00	133.00	30.00	80.00	243.00	3.60	246.60
$675.94	$1489.28	$2165.22	$812.05	$1472.19	$4449.46	$861.71	$5311.17

REPORT OF DIRECTOR OF PHYSICAL TRAINING

MR. A. L. SAFFORD, SUPT. OF SCHOOLS, READING, MASS.:

Dear Sir:—The work in physical training is making very satisfactory progress.

While the time of my direct supervision is very limited in the grade schools, owning to the fact that I am conducting regular classes in the Junior High School, I feel that the class teachers are doing faithful and conscientious work in my absence.

The work in the first and second grades consists entirely of Story Plays, Singing Games and simple and easy Folk Dances.

In the third, fourth, fifth, and sixth grades the difficulty of the work increases, and while in the third grade simple co-ordination and quick response to command are only required, in the sixth grade these are combined with rhythmic exercises and exercises more difficult for muscular co-ordination, which also have special corrective value and thought. In these higher grades team play is introduced with Folk Dances and quick games for the use of indoor work.

In all grades special attention is paid to good posture in sitting, standing and walking and the importance of this explained to the children by the supervisor. This phase of the work as well as the hygienic condition in the class room and house are greatly improved by the nation-wide organization known as "The Modern Health Crusaders," which binds children to at least ten chores concerning the body each day, and a full bath at least once a week, to establish wholesome health habits.

We hope to make this organization so interesting that by the end of the year all the children of the grades will be enrolled with the rank of Page.

The work in the Junior High School (VII and VIII grades) owing to the fact that each class in this school has one regular 40-minute period of physical training every day, is more advanced. This period is divide into two halves, the first of which is used for regular setting-up drill, corrective work, drills in co-ordination, quick and accurate response to command and rhythm; the second period is devoted to supervised play, supervised athletics for girls as well as boys and Folk Dancing.

The organization of the Junior Athletic Association gives an especial interest to this phase of work among the boys, and the members have done creditable work towards the firm establishment of the association and their equipment.

"The Modern Health Crusaders" are established among the Junior High School pupils also, and their physical condition noted once a month. Because of the inadequate equipment, this examination only consists of a careful weight and height test, the result of which, especially in case of malnutrition, are reported to parents on the quarterly report cards.

Respectfully submitted,

HELEN A. LENGYEL,

Director of Physical Training.

REPORT OF SCHOOL ATTENDANCE OFFICER

Cases reported for investigation	171
Cases absent without permission	72
Cases absent on account of illness	42
Cases absent on account of insufficient clothing and other causes	57
Woburn District Court cases	2
Employment and Educational Certificates issued	208

Respectfully submitted,

EDWIN L. HUTCHINSON,
School Attendance Officer.

READING HIGH SCHOOL

Graduation Exercises

CLASS OF
. . 1919 . .

HIGH SCHOOL HALL

WEDNESDAY EVENING, JUNE TWENTY-FIFTH

EIGHT O'CLOCK

IVY DAY EXERCISES, CLASS OF 1919

TUESDAY P. M., JUNE 24, 1919

CLASS MOTTO

"Lifting Better Up to Best"

PROGRAM

1919 Class Song — Words and Music by ALBION METCALF

Reading High School,
Your and my school,
You're the one of all the rest.
You have taught us,
You have brought us,
To lift better up to best.
Friendships true you've brought us many,
Sports of which we ne'er can tell.
So here's to Reading!
Dear old Reading,
Nineteen-nineteen bids farewell!
Reading High School,
Your and my school,
You're the one of all the rest;
For you've taught us,
And you've brought us
To lift better up to best.

1. Address of Welcome and Presentation of Class Gift

*ALBION EDMUND METCALF

2. Class Elections

1. Most Patriotic
2. Most Conceited
3. Most Absent-minded
4. Class Angel
5. Most Conscientious
6. Most Good-natured
7. Most Original
8. Most Courteous
9. Class Optimist
10. Most Likely to Succeed
11. Cutest Girl
12. Greatest Giggler
13. Most Popular Boy
14. Most Popular Girl
15. Class Dude
16. Prettiest Girl
17. Handsomest Boy
18. Class Shark
19. Most Sedate
20. Neatest Boy
21. Neatest Girl
22. Faculty Pet
23. Most Bashful
24. Class Athlete
25. Junior Boy
26. Junior Girl

*MARION WHITTREDGE

3. Class Will

†ELWYN LIONEL PERRY

4. Selection by High School Orchestra

5. Presentation of Athletic Medals by the Coach

Norman Edward Briggs	Ralph Michelini
Elliott John Canty	Bartlett Nowell
Arthur Douglas Cook	William David Quillen
Albert Edward Gibbons	Carlyle Francis Quimby
Charles Logan Godfrey	Patrick Joseph Spillane
William Thistleton Hemeon	Alfred Perkins Wade

Walter White

6. "Who's Who in 1919" †Ellen Jenny Johnson

7. Class Prophecy †Genevieve Winifred Quinlan
*George Donald Fife

8. School Song

The audience will please adjourn to the grounds at the front of the building for the

Planting of The Ivy

9. Ivy Oration

A. Douglas Cook

President Class of 1919

10. Acceptance of the Spade

Roger Walker Batchelder

President Class of 1920

GRADUATION EXERCISES

Wednesday Evening, June 25, 1919

Program

Prayer — Rev. D. A. Newton

Selection — Violin and Piano

Madeline Stone Hibbs

Laurence A. Copeland

1. "A Message from Revolutions" (with Salutatory)
*Clark Wesley Cell

2. History of The Class of 1919
‡M. Eleanor Hutchinson

3. America's Part in Winning the War"
‡George Wichland

Selections by High School Chorus

a. Marching—*Trotere*

b. Shout Aloud in Triumph—*Manney*

4. "Vocations for Women"
†Gladys May Trevor

5. "The Hayseed"
†William T. Hemeon

6. "Frauds" (with Valedictory)
*Florence Strahorn

Conferring of Diplomas
Walter S. Parker, Chairman of School Committee

"Bon Voyage"—By the Principal

Benediction Rev. D. F. Whalen

Accompanist, Albion E. Metcalf

Director of Music, Arthur Harold Tozer

* Scholarship Honors † Faculty Honors ‡ Class Honors

CLASS OF 1919

Commercial Course

Ernest Everett Brown
Elliott John Canty
Mary Helen Cummings
Ruth Elizabeth Curtis
Grace L. Doucette
Ida Rosalie Esner
Joseph Leo Galvin
Mildred Dorothy Gates
Florence Edith Gullam
Mary Elizabeth Ingalls
Ellen Jenny Johnson
Myrtle Lillian Morse
Bartlett Nowell
William David Quillen
Ruth L. Reeves
Herman L. Riessle
Patrick Joseph Spillane
Florence Strahorn
Gladys May Trevor
Walter White
Marion Whittredge
George Wichland
G. Kathleen Morse

General Course

L. Katherine Bell
Norman Edward Briggs
Laurence A. Copeland
Allan Nelson Cox
Albert Edward Gibbons
Charles Logan Godfrey
Madeline Stone Hibbs
Albion Edmund Metcalf
Ralph Michelini
Carlyle F. Quimby
Wendell S. Reid
Muriel Richardson
Sidney Irving Storey
Alfred Perkins Wade

PUPILS GRADUATING FROM HIGHLAND SCHOOL JUNE 21,'1919

GIRLS

Abbott, Ruth
Ackerman, Mabel A.
Brown, Eleanor
Burnham, Virginia
Buxton, Mary C.
Cail, Helen M.
Cheney, Christine
Copeland, Arvilla M.
Crafts, Dorothy W.
Crafts, Ethel M. L.
Damon, Alberta H.
Davis, Aleine M.
Dill, Clarice A.
Goodwin, Ruth
Greeley, Anna M.
Greene, Catherine F.
Hickey, Mary
Horton, Mildred
Hutchinson, Helen
Ingalls, Catherine
Johnson, Edith C.
Johnson, Mary M.
Kelley, Florence
Kelso, Laura C.
King, Louise
Knapp, Eleanor
Legro, Clara E.
Lyman, Eleanor M.
McDavitt, Anna N.

GIRLS

McKinnon, Annie
McLean, Gladys
McLeod, Lillian
Moore, Frances G.
Morse, Dorothy F.
Nichols, Emily B.
Partelow, Margaret M.
Poore, Virginia F.
Sanders, Doris G.
Schimpfke, Katrina
Shaw, Catherine
Shaw, Helen
Sias, Gladys
Sidebottom, Dorothy
Smalley, Faith
Soule, Grace
Smith, Louise M.
Smith, Margaret
Smith, Myrtle
Spillane, Mary
Stone, Sophia
Strahorn, Gertrude
Sullivan, Helen
Temple, Doris M.
Turner, Katherine V.
Turner, Lillian
Webster, Priscilla V.
White, Catherine
Wilson, Kathleen
Wilson, Louise

BOYS

Adams, Robert
Arthur, James
Atwood, Ralph F.
Bedley, Freeman A.

BOYS

Bredbury, Gerald T.
Brogan, Edwin
Campbell, Theodore
Clancy, Edward C.

BOYS

Collins, Walter
Cutcliff, Edward
Daley, H. James
Deming, Harry
Dill, Albert
Donegan, Edward
Doucette, Nicholas
Edwards, Elmer E.
Elliott, Russell
Emerson, Frederick J.
Fitzpatrick, Thomas J., Jr.
Frost, G. LeRoy
Gowing, Charles L., Jr.
Gutterson, Norman A.
Hannaford, William M.
Horton, Charles B.
Ingalls, George J.

BOYS

Larkin, Herbert M.
Litchfield, Clifford E.
Long, Burton G.
Lucas, Laurence G.
Marchetti, Leonello
Martin, Edward H.
Meagher, William E.
Meuse, Stephen
Michelini, Ronald J.
Nichols, Leonard
Perkins, Charles W.
Poore, John B.
Rodgers, C. Crosby
Sprague, Warren
Stevens, Paul B.
Turner, Arthur
Van Buskirk, Inglis
White, Daniel J.

TEACHERS IN SERVICE, DEC. 31, 1919, WHERE EDUCATED, YEAR APPOINTED

ALSO ENROLLMENT FOR FOUR MONTHS ENDING DECEMBER 31, 1919

School	Grade	Names of Teachers	Where Educated	Year Appointed	Salaries	Total Enrollment	Average Membership	Average Attendance	Per cent. of Attendance
High	IX-XII	A. L. Safford, Principal	Bates College	1913	$3000	358	340	315	90
"	English	Helen R. Abbott	Mt. Holyoke College	1915	1300				
"	Com. English	Elizabeth A. Batchelder	Salem Normal, Simmons, B. U. College, Bus. Adm.	1916	1200				
"	French, German	Louise A. Berthold	Tufts College, Harvard Summer	1914	1300				
"	Bookkeeping	Alberta F. Drury	Salem Normal, B. U. Sec. Coll, Posse, B. U. Coll. Bus. Adm.	1917	1100				
"	Stenography and Typewriting	E. Frances Greenhalgh	Willimantic Normal, Bay Path Inst., B. U. Sec. College	1914	1300				
"	Spanish	Lillian Jefts	St. Lawrence University	1918	1300				
"	General Science	Winthrop M. Johnson	Tufts College	1919	1300				
"	Mathematics	Helen Kershaw	Radcliffe College	1919	1000				
"	Secretary	Abigail H. Mingo	Boston Univ., Chandler School	1918	1200				
"	Mathe, Physics, Chemistry	Josephine M. Minihan	Radcliffe College	1913	1300				
"	French	Marian T. Pratt	Wellesley College	1918	1100				
"	History, English	Ione D. Proctor	Radcliffe College	1918	1000				
"	Com. Subjects	Mabel A. Spring	Bryant & Stratton, B.U. Bus. Adm	1918	1000				
"	Latin, Algebra	Mildred B. Sussmann	Radcliffe College	1919	1100				
"	Agriculture	Rudolf Sussmann	Mass. Agri. College and Conn. Agri. College	1917	2400				
"	Super. Music	Arthur H. Tozer		1910	800				
"	Super. Drawing	M. Adeline Lahaise	Mass. Normal Art School	1919	1000				
High'l'd, Jr. High		Alice Barrows, Principal	Bridgewater Normal School	1880	1500				
"	Mathematics	Emma S. Page, Assistant	N. H. State Normal	1899	1000	45	43	40	93
"	English, Geometry, Drawing	Eleanor Emerson	Salem Normal	1915	950	48	46	45	95
"	English	Alice E. Hood	Concord, N. H., Training School	1902	950	49	42	39	90
"	Science, Geog.	Ida C. Lucas	Worcester Normal	1918	950	47	46	41	90
"	History, Music	Dora G. Martin	N. H. State Normal	1916	950	48	45	40	90
"	Type., Penmanship, Bus. Pr.	Fannie C. Whittemore	N. H. State Normal	1905	950	37	37	35	91
"	Manual Training	Lyman E. Fancy	Mass. Normal Art School	1918	1300				
"	Phys. Training	Helen A. Lengyel	Sargent School	1918	950				
"	VI	Caroline C. Grace	No Adams Normal	1919	850	37	35	33	90
"	VI	Ethel M. Reed	Farmington, Me., Normal	1913	850	46	44	42	96
"	V	Alice M. Cole	Bridgewater Normal	1919	750	48	47	45	96
"	V	Mary E. Webster	Plymouth, N. H., Normal	1919	750	50	47	45	96
"	Household Arts	H. Shirlie Page	School Domestic Science	1916	900				

TEACHERS IN SERVICE, DEC. 31, 1919, WHERE EDUCATED, YEAR APPOINTED

ALSO ENROLLMENT FOR FOUR MONTHS ENDING DECEMBER 31, 1919—(CONTINUED)

SCHOOL	GRADE	TEACHERS	WHERE EDUCATED	Year Appointed	Salaries	Total Enrollment	Average Membership	Average Attendance	Per cent. of Attendance
Centre	III	M. Grace Wakefield, Principal	Salem Normal	1890	$950	38	37	35	95
"	IV	Vera Buckle	Boston University	1915	800	43	41	36	90
"	III	Alda L. Parker	Westfield Normal	1914	850	16	15	14	93
"	II	" " "				11	10	9	95
"	II	Caryl M. Porter	Rust Kindergarten	1911	850	41	39	37	95
"	IV	Helen G. Quinlan	Salem Normal	1915	800	16	15	14	93
"	III	" " "				21	21	19	90
"	IV	Emily S. Remick	Washington, Me., Normal	1913	850	42	41	38	93
Union St.	I	Anna P. Reid, Principal	Reading High	1884	950	44	43	39	90
" "	II	Ethel J. Bent	Connecticut State Normal	1911	850	43	41	38	90
" "	I	Marion H. Morgan	Bridgewater Normal	1904	850	43	39	35	90
" "	I	Mabel A. Porter	Rust Kindergarten	1911	850	46	42	36	90
Prospect St.	II	Ada E. Dow, Principal	Lowell Normal	1909	950	20	18	17	95
" "	III	" " "				26	24	23	96
" "	V	Glenna Dow	Caribou, Me., High	1919	750	24	24	22	94
" "	VI	" "				27	21	18	94
" "	II	Marion A. Perry	Wheelock Training	1918	700	32	31	28	90
" "	III	Olive S. Perry	Wheelock Training	1916	850	12	11	10	93
" "	IV	" " "				36	35	32	95
Lowell St.	III	Hannah B. Sargent, Principal	Castine, Me., Normal	1914	950	11	10	10	100
" "	IV	" " "				19	18	17	94
" "	II	Cora Abbott	Bridgewater Normal	1919	850	25	23	21	90
" "	III	" "				10	8	7	90
" "	VI	Annie W. Quillen	Salem Normal	1916	750	14	13	12	92
" "	V	" " "				21	20	18	90
" "	I	Elizabeth S. Stembridge	Wheelock Training	1917	800	23	22	20	90
Chestnut Hill	I	Isabelle P. Kissock, Principal	Dean Academy	1911	900	11	10	9	90
" "	II	" " "				6	4	4	90
" "	III	" " "				4	3	3	90
" "	IV	Margaret Whittier	Salem Normal	1916	750	9	9	8	90
" "	V	" "				3	3	3	90
" "	VI	" "				9	8	8	98

LIST OF JANITORS WITH THEIR SALARIES, DECEMBER 31, 1919

	per week	per year
High—Clement Gleason	$20.00	$1,040.00
Center—Union St.—David W. Pigueron ...	15.00	780.00
Highland—Jesse N. Hutchinson	20.00	1,040.00
High—Mrs. Ara Pratt	15.00	780.00
	per month	
Lowell St.—Sylvanus L. Thompson	$25.00	$ 300.00
Prospect St.—Fernando O. Wyman	25.00	300.00
Chestnut Hill—Joseph Farpelha	20.00	200.00
Grouard House—C. H. Stinchfield	8.50	102.00

SCHOOL COMMITTEE EXPENDITURES, CLASSIFIED

Appropriation requested for 1920		Expended 1919	Expended 1918	Expended 1917
	GENERAL ACCOUNT:			
$ 71,500.00	1. Teachers' and Supt's Salaries	$47,609.71	$42,759.16	$39,232.95
5,750.00	2. Janitors' Salaries	4,359.75	4,056.75	3,478.00
1,350.00	3. Other Salaries			
	Attendance Officer	350.00	250.00	120.00
	Medical Inspection	100.00	150.00	200.00
		450.00	400.00	320.00
3,200.00	4. Transportation of Pupils	1,834.75	1,034.00	1,394.40
100.00	5. School Tuition	43.85	104.00	135.16
2,250.00	6. Books	2,259.64	1,460.17	2,057.08
3,000.00	7. Supplies for Pupils	2,877.83	2,799.91	3,681.83
500.00	8. Apparatus for Teaching	630.01	529.83	855.90
500.00	9. General Expense			
550.00	9. General Expense			
	Printing and Advertising	60.54	3.39	130.15
	Office Supplies	217.06	186.64	67.63
	Telephones	325.28	253.01	313.14
	Graduation, Miscellaneous	311.44	84.05	22.00
	Supt's Expense			
	Lectures, Public Meetings			
	Insurance		245.10	
		914.32	772.19	532.92

SCHOOL COMMITTEE EXPENDITURES (Continued)

6,500.00	10. Fuel	6,575.53	6,160.17	4,213.23
1,800.00	11. Building Maintenance			
	Gas and Electricity	495.92	408.12	508.35
	Water	371.15	437.30	342.41
	Trucking, etc.	475.07	225.79	180.54
	Janitor's Supplies	487.95	511.51	795.90
		1,830.09	1,582.72	1,827.20
3,500.00	12. Repairs			
	Buildings	2,398.70	2,500.55	2,052.98
	Furniture	631.35	356.94	479.85
	Grounds	297.90	145.57	198.28
		3,327.95	3,003.06	2,722.11
$100,450.00		$72,713.43	$64,661.96	$60,450.78
3,000.00	Receipts not from tax levy			
	received $1,186.93			
	due 1,940.50	2,427.43	2,531.30	1,161.00
$ 97,450.00	Net Cost	$70,286.00	$62,130.66	$59,299.78
	AGRICULTURAL ACCOUNT:			
$ 4,240.00	1. Teachers' and Supt's salaries	3,460.00	3,056.33	3,058.63
560.00	2. Janitors, Light, Fuel, Repairs	602.50	622.33	445.03
450.00	3. Books, Apparatus, Supplies	723.31	723.74	895.07
$ 5,250.00.		4,785.81	4,402.46	4,398.73

SCHOOL COMMITTEE EXPENDITURES (Continued)

Appropriation requested for 1920			Expended 1919	Expended 1918	Expended 1917
3,250.00	Receipts not from tax levy				
	received	$2,362.46			
	due	273.00	2,648.96	2,421.85	2,638.58
$ 2,000.00	Net Cost		$2,136.85	$1,980.61	$1,760.15
	INDUSTRIAL TUITION ACCOUNT:				
	Tuition paid		80.25	205.34	195.65
$ 150.00	Reimbursement from State			97.81	168.73
	Net Cost			$107.53	$26.90

DETAIL OF EXPENDITURES, 1919—
GENERAL SCHOOL ACCOUNT

TRANSPORTATION OF PUPILS:		
Eastern Mass. St. Ry. (Bay State)	$ 1,070.00	
C. A. Adams	180.00	
H. Fifield	93.75	
R. M. Wilkins	401.00	
Woburn & Reading Buss Line	90.00	
		$ 1,834.75
TUITION:		
Middlesex County		43.85
BOOKS:		
J. Q. Adams & Company	10.26	
Allyn & Bacon	89.32	
American Book Company	95.17	
American City	4.00	
American Red Cross	.28	
American Express Company	6.34	
D. Appleton & Company	15.20	
Edw. E. Babb & Company	392.54	
F. J. Barnard & Company	48.65	
Esther L. Binsky	16.11	
Milton Bradley Company	90.27	
Cummings' Express	4.00	
DeWolfe & Fiske Company	.63	
Oliver Ditson Company	131.86	
Ginn & Company	471.81	
Gregg Publishing Company	86.60	
J. L. Hammett Company	10.27	
Harvard Co-operative Society, Inc.	5.04	
D. C. Heath & Company	96.04	
Mrs. Sidney Horne	8.00	
Houghton, Mifflin Company	24.41	
Iroquois Publishing Company	1.33	
L. E. Knott Apparatus Company	.53	
The Latin Game Company	1.95	
Charles E. Lauriat Company	7.97	
J. B. Lippincott Company	16.80	
Little, Brown & Company	53.35	
Longmans, Greene & Company	1.04	
Lyons & Carnahan	13.51	
The Macmillan Company	41.76	
H. M. Meek Publishing Company	15.00	
G. & C. Merriam Company	36.00	
Miles & Parris	2.00	

National Express Company	1.63	
Thos. Nelson & Sons	25.00	
Old Corner Book Store	51.65	
The Palmer Company	2.00	
The A. N. Palmer Company	9.38	
J. W. Pepper & Son	6.60	
Benj. H. Sanborn & Company	158.04	
Charles Scribner's Sons	10.20	
Silver, Burdett & Company	13.88	
University of Chicago Press	14.50	
Warick & York, Inc.	86.40	
Wilkins, Potter Press	22.14	
H. W. Wilson Company	6.00	
World Book Company	54.18	
		$ 2,259.64

SUPPLIES FOR PUPILS

Adams Company	7.64	
American Book Company	10.18	
American Express Company	22.79	
Amigraph Company	1.42	
Andrews Paper Company	80.00	
Atlantic Chemical Company	9.22	
G. H. Atkinson Company	1.10	
Edw. E. Babb & Company	456.17	
J. W. Bailey & Sons Company	8.35	
W. Bancroft & Company	9.89	
Barker Lumber Company	73.18	
Milton Bradley Company	415.33	
Central Scientific Company	10.91	
Cummings' Express Company	30.77	
A. W. Danforth	2.25	
Ginn & Company	14.90	
Farley, Harvey & Company	3.75	
J. L. Hammett Company	614.44	
Hodson Brothers	16.65	
Howe & French	53.27	
Kenney Bros. & Wolkins	36.69	
L. E. Knott Apparatus Company	194.47	
H. B. McArdle	56.15	
E. A. Meekins	50.00	
Charles E. Merrill Company	3.76	
H. M. Meserve & Company	3.40	
National Case & Carton Company	9.00	
Northern Commission Company	7.00	
National Express Company	18.79	
Palmer & Parker Company	67.89	

Robey-French Company		2.70	
Rockport Fish Company		3.65	
The Song Shop		2.00	
Wadsworth, Howland & Co., Inc.		12.71	
F. Wallace		351.96	
Whitall, Tatum Company		34.61	
A. J. Wilkinson & Company		4.50	
W. H. Willis		33.65	
			$ 2,877.83
SUPPLIES FOR TEACHING:			
O. Ditson & Company		5.00	
Ginn & Company		3.27	
B. L. Makepeace		69.30	
The Metcalf Store		4.20	
Neostyle Sales Agency		6.50	
Wm. Read & Sons, Inc.		22.09	
Remington Typewriter Company		5.79	
Ribbon Life Company		2.50	
Royal Typewriter Company		437.50	
Standard Envelope Sealer Mfg. Co.		47.50	
A. G. Spaulding & Brothers		1.75	
A. J. Wilkinson & Company		24.26	
			$ 630.01
GENERAL EXPENSE:			
Printing and Advertising:			
Edw. E. Babb & Company	$ 60.54		
F. J. Barnard & Company	3.61		
W. E. & J. F. Twombly	47.41		
		$ 60.54	
Office Supplies, Stationery, etc.:			
Allen, Doane & Company	19.20		
American Book Company	8.00		
Edw. E. Babb & Company	11.76		
F. J. Barnard & Company	.75		
Library Bureau	6.08		
H. B. McArdle	38.05		
Macey-Morris Company	19.90		
Manifold Mfg. Company	37.16		
H. M. Meserve & Company	11.00		
Thorp & Martin	2.85		
W. E. & J. F. Twombly	60.25		
Wright & Potter Printing Co.	2.06		
		$ 217.06	
Telephones:			
N. E. Tel. & Tel. Co.		325.28	

Graduation and Miscellaneous:			
Edw. E. Babb & Company ..	43.28		
Peter Becker	6.75		
M. F. Charles	6.45		
Cummings' Express	1.50		
Edgerley & Bessom	3.50		
Kempton Art Shop	2.00		
Kenney Bros. & Wolkins	49.23		
Knox & Morris Company	60.95		
Macey-Morris Company	10.50		
Reformatory for Women ...	32.43		
Royal Typewriter Company .	1.00		
A. L. Safford	31.35		
F. Wallace	24.00		
R. H. White Company	14.05		
Wright & Ditson	6.25		
Mary U. Yaffee	18.20		
		$ 311.44	
			$ 914.32
FUEL:			
W. Bancroft & Company		206.26	
Municipal Light Board		5,107.10	
P. N. Sweetser		1,245.17	
Charles Wakefield		17.00	
			$ 6,575.53
BUILDING MAINTENANCE:			
Gas and Electricity:			
Malden & Melrose G. L. Co.	57.60		
Municipal Light Board	438.32		
		$ 495.92	
Water:			
Reading Water Works		371.15	
Trucking, etc.:			
J. W. Borthwick	7.75		
Cummings' Express	29.22		
A. L. Greene	5.00		
E. C. Hanscom	4.00		
J. Scott Parker	27.82		
P. J. Seaman	.75		
P. N. Sweetser	400.53		
		475.07	
Janitors' Supplies:			
G. H. Atkinson Company ..	11.51		
Cudahy Packing Company ..	29.00		
H. I. Dallman Company	100.59		

Hodson Brothers	9.15		
George T. Johnson Company	14.00		
Mass. State Prison	32.00		
Masury–Young Company ..	112.60		
Metcalf Store	15.34		
Milton Bradley Company	54.00		
George W. Reinhardt Co.	13.50		
S. R. Stembridge	18.62		
Stone & Forsyth Company ..	32.50		
Talbot Chem. Company	10.50		
F. Wallace	9.52		
G. H. Worcester & Company	34.12		
		487.95	
			$ 1,830.09

REPAIRS:

Buildings:

Allen Shade Holder Company	137.27		
Edw. E. Babb & Company ..	10.87		
W. Bancroft & Company	23.00		
Brooks, Gill & Company	24.00		
E. H. Chapin	4.50		
R. D. Clapp	152.99		
Clapp & Leach	17.38		
Cummings' Express	3.35		
L. T. Eames	2.00		
T. C. Fife	310.80		
Francis Brothers	138.75		
Hodge Boiler Works	284.28		
Hodson Brothers	674.30		
J. N. Hutchinson	.95		
Pettengell–Andrews Company	82.26		
Stewart & Robertson	491.54		
A. J. Wilkinson & Company .	36.97		
		2,398.70	

Furniture:

Edw. E. Babb & Company ..	73.00		
Billings, Chapin Company ..	18.90		
M. F. Charles	18.60		
Cummings' Express	4.50		
J. L. Hammett Company	60.00		
Sam'l Pierce Organ Pipe Co.	1.75		
Daniel Pratt's Sons	7.00		
Estey Organ Company	34.00		
Heywood Bros. & Wake. Co.	249.95		
Macey-Morris Company	139.65		
Edw. B. Nye	6.50		

Woburn Carpet Clean'g Works	17.50		
		631.35	
Grounds:			
R. P. Burgess	68.00		
F. W. Crosby	3.50		
M. Devaney	137.60		
E. C. Hanscom	76.25		
W. Pierpont	1.50		
F. W. Nelson	2.00		
J. L. Weston	9.15		
		297.90	$ 3,327.95
INDUSTRIAL SCHOOL ACCOUNT:			
City of Boston		$ 23.25	
Town of Wakefield		57.00	
			$ 80.25

AGRICULTURAL ACCOUNT

BOOKS:			
Allyn & Bacon		$ 6.72	
D. Appleton & Co.		3.69	
Edw. E. Babb & Company		104.20	
S. E. Bilik		2.00	
DeWolfe & Fiske Company		7.26	
J. B. Lippincott Company		6.19	
Little, Brown & Company		4.80	
Macmillan Company		10.28	
Market Growers' Journal		3.00	
Old Corner Book Store, Inc.		23.25	
Orange Judd Company		3.10	
Benj. H. Sanborn & Company		1.05	
Silver, Burdett & Company		4.35	
The Survey		4.00	
Webb Publishing Company		1.45	
			$ 185.34
SUPPLIES FOR PUPILS:			
Adams Company		1.91	
Atlantic Chemical Company		22.75	
Fottler, Fiske & Rawson		2.75	
Ralph Harris & Company		3.64	
Hodson Brothers		.50	
H. B. McArdle		24.00	
F. M. Page		.64	
F. F. Smith		.90	
F. Wallace		6.39	
			$ 63.48

APPARATUS FOR TEACHING:		
Adder Machine Company	56.26	
Amigraph Company	21.35	
W. Bancroft & Company	4.25	
Joseph Breck & Sons	1.50	
Brooks, Gill & Company	15.00	
George Cell	150.00	
Charles M. Cox	40.00	
Oliver Ditson & Company	4.70	
Fottler, Fiske & Rawson Company	16.59	
Frost & Adams Company	3.00	
J. L. Hammett Company	36.62	
William Hannaford	6.00	
Ralph Harris & Company	1.56	
Houghton, Mifflin Company	58.99	
Howe & French	15.80	
Robey–French Company	7.21	
Spaulding–Moss Company	10.80	
A. J. Wilkinson & Co.	1.01	
		$ 474.43
GENERAL EXPENSE:		
Macey–Morris Company	92.88	
Newcomb & Gauss	10.22	
Royal Typewriter Company	2.25	
Standard Electric Time Company	25.46	
		$ 130.81
BUILDING MAINTENANCE:		
Malden & Melrose G. L. Company	17.10	
Municipal Light Board	29.80	
New England Tel. & Tel. Company	8.51	
		$ 55.41
REPAIRS:		
Burgess & Blacher	242.66	
Stewart & Robertson	92.12	
		$ 334.78

REPORT OF TOWN COUNSEL

Board of Selectmen, Reading, Massachusetts.

Gentlemen—Herewith I submit my report as Town Counsel for the year 1919. The work of the Town Counsel for the past year has been mostly of an advisory capacity, there having been an unusual number of requests for written opinions in practically all of the different departments of the town. The increasing number of such written opinions is gradually building up a body of reference which ought to be of great value and assistance to the different departments as time goes by. It is hardly necessary to make any further comment in this report to that phase of my work.

LITIGATION

The only litigation in which the town was involved during the past year was the case of Batchelder vs. the Town of Reading, which has been pending for several years in the Middlesex Superior Court. The suit is to recover damages alleged to have been caused by the negligence of employees of the Moth Department in leaving down the bars to a certain field so that the plaintiff's cattle had access thereto and in eating grass sprayed with poison suffered the damage complained of. On behalf of the town I filed a demurrer to this complaint which was sustained by the Court at a hearing in Lowell last fall. Guaranteeing the outcome of litigation is most hazardous, although I feel that the town will ultimately prevail in this case; I do not, at the same time, hesitate to recommend a reasonable adjustment. Counsel for plaintiff has informed me that the matter can be settled for $400.00. I think this matter should be referred to the town by incorporating a special article in the warrant therefor at the next annual meeting.

JITNEYS

There are jitneys, so-called, now operating in the town and without adequate security being given to cover damages to passengers. This adequate security can be obtained only by having the town accept the "Jitney Act" so-called, and adopt regulations relative to the operations of jitneys. It seems to me that this is a matter that ought to receive early consideration.

BUDGET

I have been called upon to render opinions as to the propriety of paying certain warrants drawn against their appropriations by different departments. I have been handicapped in rendering a full, definite, and governing opinion through the generality with which appropriations are made at the annual meeting. The remedy for this is a segregated budget; each appropriation, unless in itself specific, should be divided showing exactly what part is to constitute salary, if any, and what part shall be merely for expenses and the class of expenses. The adoption of such a budget, in my opinion, would be of distinct advantage in the handling of town finances.

BY-LAWS

Section 2 of Article 1 of the By-Laws of the town should be amended by striking out all of the first paragraph thereof beginning "Notice of every adjourned town meeting before which any proposed reconsideration is to come,".

I recommend this on account of the occurrence at the last annual meeting at which I entertained a motion for reconsideration without requiring publication of notice as set forth in that portion of the by-law referred to. I did this because the attorney general specifically refused to approve of this treatment of "reconsideration," but inadvertently failed to cross it out in red ink on the official copy submitted by him. This matter should be corrected by action of the town.

Respectfully submitted,

JESSE W. MORTON, Town Counsel.

February 3, 1920.

REPORT OF SEWER COMMISSIONERS

To the Citizens of Town of Reading:

Your Board of Sewer Commissioners submit the following report for the year 1919:

In February, the Board was assured by the Metropolitan Water and Sewer Board of the early completion of their part of their connection over Bear Hill which would make the sewers already constructed usable, so deemed it expedient to construct additional sewers in certain streets of the town.

Accordingly, the Board asked for authority to do this, at the special town meeting called in May, at which time $40,000 was asked for to meet the expense of same.

This appropriation was recommended by the Finance Committee and the meeting voted to authorize the construction of additional sewers in certain streets, also $5,000 for connecting estates with public sewers in accordance with Chapter 49 of the Revised Laws.

These connections were to be made in advance of certain permanent street construction as proposed by the Highway Department.

On Oct. 20th, a contract was signed with A. Michelini to make certain house connections. After conferring with the Highway Department, it was decided to put in the house connections in High Street, from Washington to Haven, also in Main, from Washington through Reading Square to Woburn Street, as these were two of the streets which the Highway Department proposed to permanently reconstruct in 1920.

The connections in these two locations have been laid as far as the curb and the backfill over them should be well settled by spring.

The additional lines authorized will provide for the sewering of all the public buildings and schoolhouses, also a large part of the thickly-settled portion of the town together with that location where cesspools overflow.

Chapter 159, Section 5, of the Act providing for the addition of the Town of Reading to the North Metropolitan Sewer District, provides that the assessment on account of maintenance requirements

of the North Metropolitan Sewerage District **shall** be made on the Town of Reading in the calendar year in which its sewers shall be connected with the North Metropolitan System.

As this connection will be made within the present calendar year it is expedient financially that we should have as much of our system constructed as possible when this connection is made.

The work of constructing the connection from Reading to Stoneham, by the state, is progressing favorably, more than three-fourths of the entire distance being completed.

The temporary pumping station in Summer Avenue and the short balance of pipe line is about all that remains to be constructed. This, the State Engineers assure us, barring unusual or unforeseen conditions, will be completed this summer so that it is reasonable to expect that the Reading sewers will be in operation within the coming season.

In view of this fact, your Sewer Commissioners consider it important that additional sewers be constructed in streets where immediate improved sanitary conditions are required and that the work of constructing the same be begun as early in the Spring as weather will permit, so that they may be completed by the time the State has its station operating.

The Board proposes to construct such lines as were authorized by the Town at the meeting held in June, 1919, together with such additional streets as it deems necessary.

With the proposed additional streets there will be $165,000 worth of sewers constructed on bond issue against an allowable bond issue of $200,000 on which former amount assessments will be levied amounting to approximately $50,000, which amount can be used for paying interest, paying bonds or making extensions.

With the construction of these additional sewers it is the opinion of the Board that a sufficient amount of the system will have been constructed to provide for the present needs. Any future extension which may become necessary can be constructed from the sewer assessments.

The Board of Sewer Commissioners recommend that additional sewers already authorized be constructed this year in order to have the major part of the system completed and operating when the State assessment is levied; also that these streets may be ready for highway improvements when it is desired to make same.

Appended is the financial statement of this department for the fiscal year:

EXPENDED FOR CONSTRUCTION

Unexpended balance of 1918 bond issue for construction		$3,713.27
Boston Iron Co., M. H. castings	$ 769.08	
Warren Bros. Co., joint composition	20.75	
Inspector	50.00	
Bruno & Pettiti, construction	2,351.35	
Fred F. Smith, 24" pipe	198.00	
Bruno & Pettiti, construction	276.62	
Express	.68	
Unexpended	46.79	
	$3,713.27	$3,713.27

GENERAL EXPENSE

Appropriated		$ 325.00
EXPENDED		
W. E. & J. F. Twombly	$ 20.65	
N. E. Tel. & Tel. Co.	34.28	
Yawman & Erbe Mfg. Co.	19.55	
Salaries	225.00	
P. O. Box rent	3.00	
Incidental expense	6.68	
Unexpended	15.84	
	$ 325.00	$ 325.00

JOHN W. OWEN, C. E., Chairman
CHARLES R. HERRICK, C. E., Secretary
EDWARD J. DAHILL, C. E.
Reading Sewer Commissioners

February 10, 1920.

REPORT OF PUBLIC LIBRARY

The Trustees of the Public Library submit the following report:

Organization of the Board

The Trustees organized at the beginning of the year by the choice of Mr. Wadlin as Chairman and of Mr. Mansfield as Secretary.

Expenses of the Library

Following is a condensed financial statement:

Appropriations, direct tax, present year		$3,000.00
Balance from 1918		96.23
		$3,096.23
EXPENDED		
Salaries: Librarian, assistants and janitor	$1,085.86	
Books and periodicals, including re-binding	995.89	
Printing and stationery, etc.	83.01	
Fuel (including $134.38 carried over against outstanding bill)	361.92	
Lighting	90.33	
Repairs, including new shelving, etc.	175.35	
Express and miscellaneous supplies (including bills, $96.23, brought forward)	161.23	
		$2,953.59
Balance unexpended		$ 142.64

Late in the year we expected to pay for constructing and placing concrete stepping stones in the foot path across the front of the building to connect with the new brick walk at the Municipal Building, and money was reserved for that purpose. After the brick walk was completed, however, it was found impracticable to undertake our work on account of the approach of cold weather. An agreement to have it done lies over until spring, and the sum of $75 should be re-appropriated out of the unexpended balance, (or transferred to the library account for 1920) in order that it may be paid for without encroaching upon the appropriation for the maintenance of the library during the coming year; since we have kept our estimate at the lowest possible point. We point to the unexpended balance of the present year, as evidence that, as previously, we shall conduct the

affairs of the library with due economy, and spend no more than may be needed out of any appropriation that may be made.

In the Spring we propose to place on the front lawn near the sidewalk a much-needed sign showing the hours the library is open, with possibly other appropriate display features.

Additions to the Library

Volumes in library, close of 1918	9,736
Volumes bought, including replacements	632
Received by gift	109
	10,477
Worn out and not yet replaced	212
Total number of volumes Dec. 31, 1919	10,265

Use of the Library

Volumes borrowed for home use	32,623
Increase over previous year	3,900
Largest monthly circulation, March	3,808
Smallest, June	2,116
Number of new borrowers registered	518

The amount collected for fines for over-detention of books borrowed was $169.19. This sum, which is regarded as income of the library and to be considered as reducing to that extent its annual cost, is turned into the town treasury. It should be remembered also that the amount of the dog tax received into the treasury offsets under the statute a similar amount appropriated for the library, and to that extent reduces its net cost to the taxpayers directly.

Of the new volumes purchased, fiction for adult readers number 133; books other than fiction for adults, 217; books for young readers, 134. The replacement of worn-out books for adults, number 30; and for young readers, 118.

A considerable number of books on technical subjects has been bought, as proposed in our report last year; also books for use in connection with the work of our teachers in promoting the reading of pupils in the schools. We have also bought regularly, month by month, books upon subjects of current interest.

The books for young readers have been carefully selected for the ages in the different grades, as determined by experts. Some of the gaps in our files of standard literature have also been filled.

There was never a time when books discussing the pressing questions of the day were in greater demand than now. Books relating to economics and industrial topics generally, and those upon matters of civic policy incidental to the period of re-adjustment following the great war, are needed in the wise settlement of current problems, and these the public library can supply.

In directing readers to the best sources of information on such topics, the library, as we stated last year, offers its assistance; and we again call attention to the possibility of obtaining books of certain kinds through our library, from other sources of supply, in case of need by students or others.

During the year we have shelved the store room in the basement of the building for the reception of certain volumes rarely consulted, and for newspaper and periodical files. We propose to continue the re-classifying of the books in the main collection on the open shelves, a work begun during the year, carrying this forward at such time as the Librarian may give to it, employing her present Assistant to a greater extent than formerly, and by this plan keeping the expense of the work as low as possible. The discarding of old volumes no longer useful may be continued in this connection, leaving space on the shelves for new accessions.

The Librarian reports as follows:

"The attraction of the new building and the increased hours of service have helped to make a good increase in circulation. Although the number of gifts is less than during the preceding year, the residents of Reading, have shown their interest by giving 80 books during the year.

"The story-hour for children was held as usual on Saturday mornings during January, February and March. The Library Hall has also been used by the Current Events Class and for other activities of the Reading Woman's Club; also by the Girl Scouts Council, and the Playground and Chatauqua Committees.

The Woman's Educational Association (of Massachusetts) lent the Library in February a set of pictures on "Grandmothers' Gowns," which was exhibited for a month."

The increased use of the Library shown by the statistics and referred to by the Librarian, is evidence of progress. The circulation was never so large as it is now, and we expect it to increase, and that many of our citizens who have not yet taken borrower's cards will do so. Especially we are confident that the closer relation between the schools and the library, already seen and certain to grow more intimate, will bring to it readers who will continue in after years the use of books begun while in school.

The American Library Association

The American Library Association whose library service during the war was so much appreciated that it is now being taken over by the Government as a basis for permanent library systems in the army and navy, is now contemplating wider activities under peace.

This Association is the professional association with which librarians and public libraries throughout the country are connected. Its enlarged programme of operations points to a time when books will be freely accessible to every man, woman and child in America. It

believes, as all friends of the public library believe, that the stability of any country depends on the intelligence of its people,—in the education of its people, and that in this education libraries are essential. It contemplates the promotion of free libraries where they do not now exist, and the cultivation of the library spirit in the public, where such libraries are already established. It hopes, by publicity, to extend the vocational use of books, to strengthen the spirit of Americanism, through reading on American History, social problems and other subjects a knowledge of which, makes for intelligent citizenship and for American habits of living. It has in view other legitimate fields of effort. Under sane, cultivated and enthusiastic leadership, supported by the faithful and devoted men and women in library service everywhere in the United States it puts itself behind a great forward movement in the library field, and proposes, unselfishly and without other reward than the excellence of its work, to undertake a great public service.

In this service it relies for its funds on the contributions of the public. It has no other means of support, for the members of the library profession are not rich, and for the most part are working for inadequate salaries, barely sufficient, in these days, to enable them to live. It is engaging in a nation-wide campaign of publicity. To its appeal for funds when made we hope our citizens will find it possible to respond as generously, and in the same spirit, as in its war work campaign in which Reading shared.

Estimates for 1920

Mindful of the demands likely to be made for necessary appropriations at the annual town meeting, we keep our estimates for the coming year within the sum appropriated last year, asking however for the re-appropriation of $75 (part of our unexpended balance) for the reason previously given. We could easily (and profitably) use a larger sum. But this year we refrain from presenting a larger budget. We trust that the way will be clear, under the circumstances, for appropriating the sum named. The expense of the library, as we cannot refrain from once more pointing out, is fractional when compared with the entire expenses of the town and affects but slightly anybody's tax bill.

We estimate for maintenance during 1920:

Salaries	$1,200.00
Heat and Light	500.00
Books, periodicals and other library equipment, including re-binding	1,000.00
Stationery and other small supplies	150.00
Minor miscellaneous expenses	150.00
Total	$3,000.00

We estimate the receipts of the Department, to be turned into the treasury of the town, at $175.

Conclusion

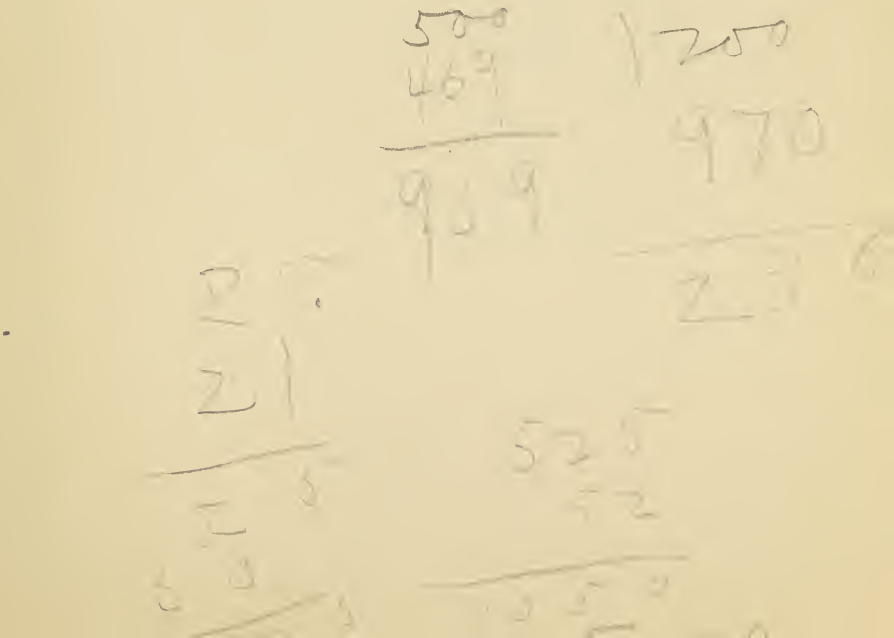
We acknowledge the faithful service of Miss Bertha L. Brown, Librarian; that of Miss Grace Abbott, her assistant; and of those who have rendered minor assistance during the year. Mr. Stinchfield also has been helpful and efficient always, as janitor.

Two vacancies are to be filled at the town meeting, the terms of Mr. Frank C. Carter and Miss Fannie C. Whittemore, expiring.

Respectfully submitted,

HORACE G. WADLIN, Chairman
ARTHUR N. MANSFIELD, Sec'y
CHARLES F. DOUGHTY
RALPH S. KENEELY
FRANK C. CARTER
FANNIE C. WHITTEMORE
Trustees.

Adopted as the Report of the Trustees
Feb. 3, 1920.



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